

FIG. 1

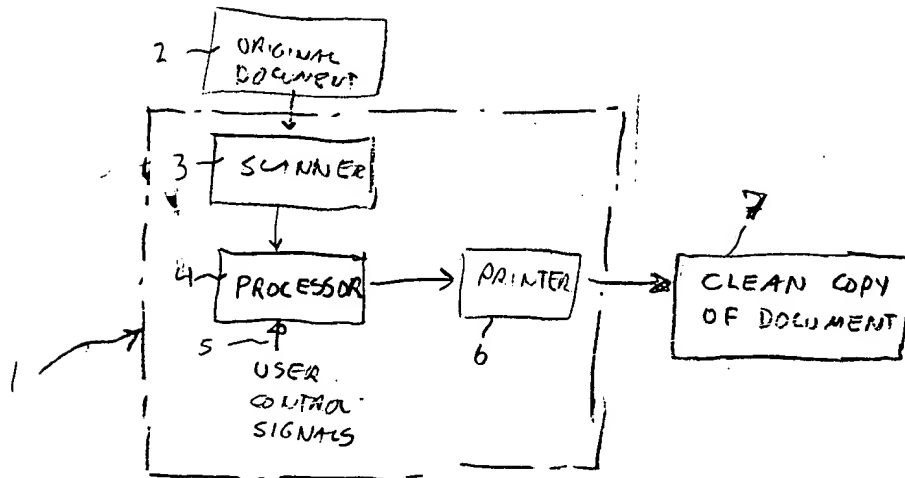


FIG. 1A

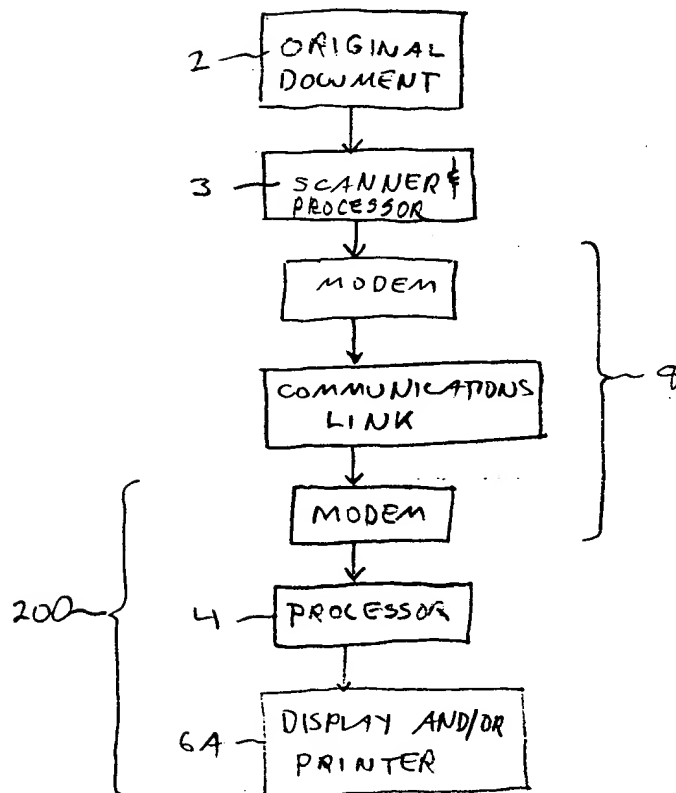
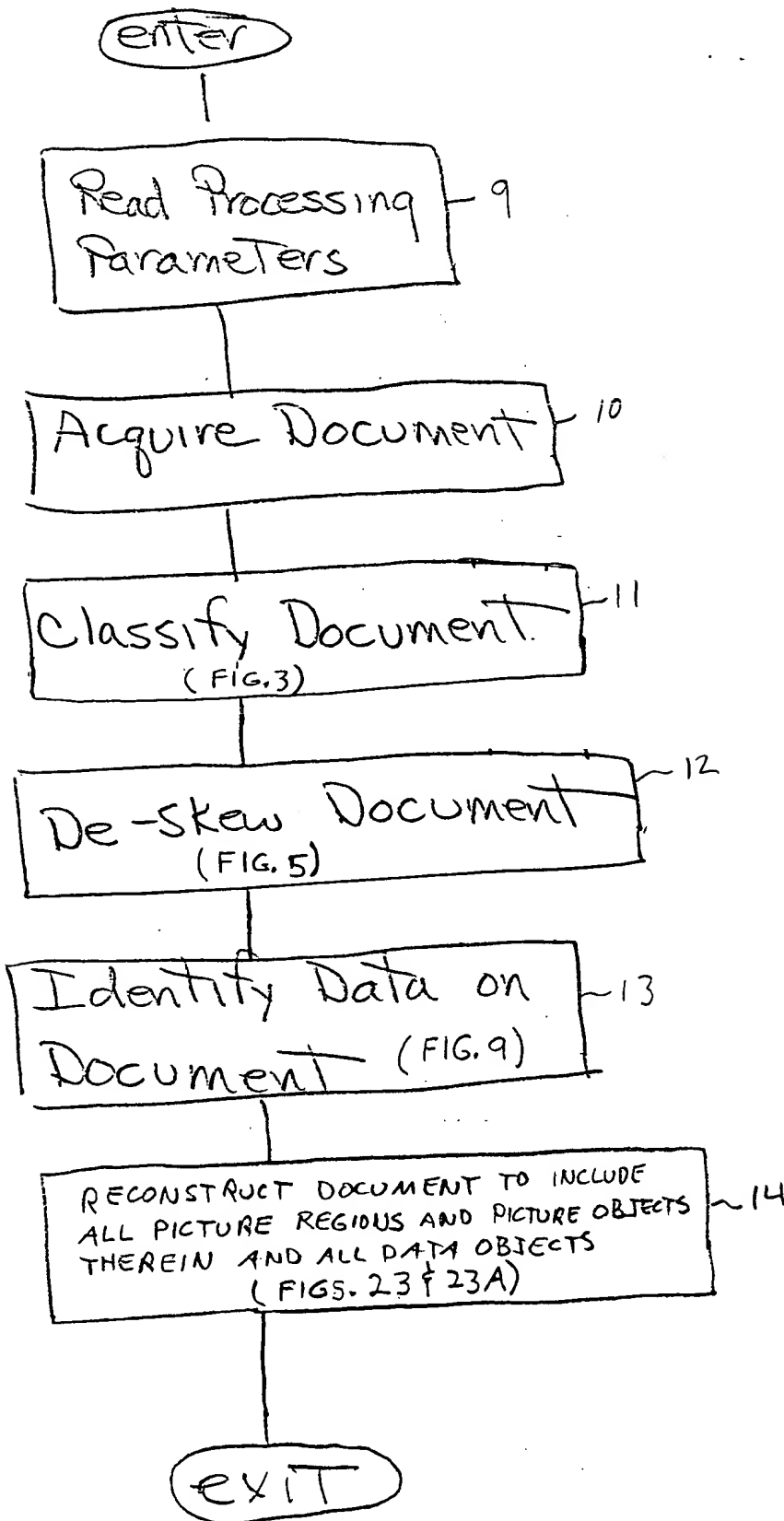
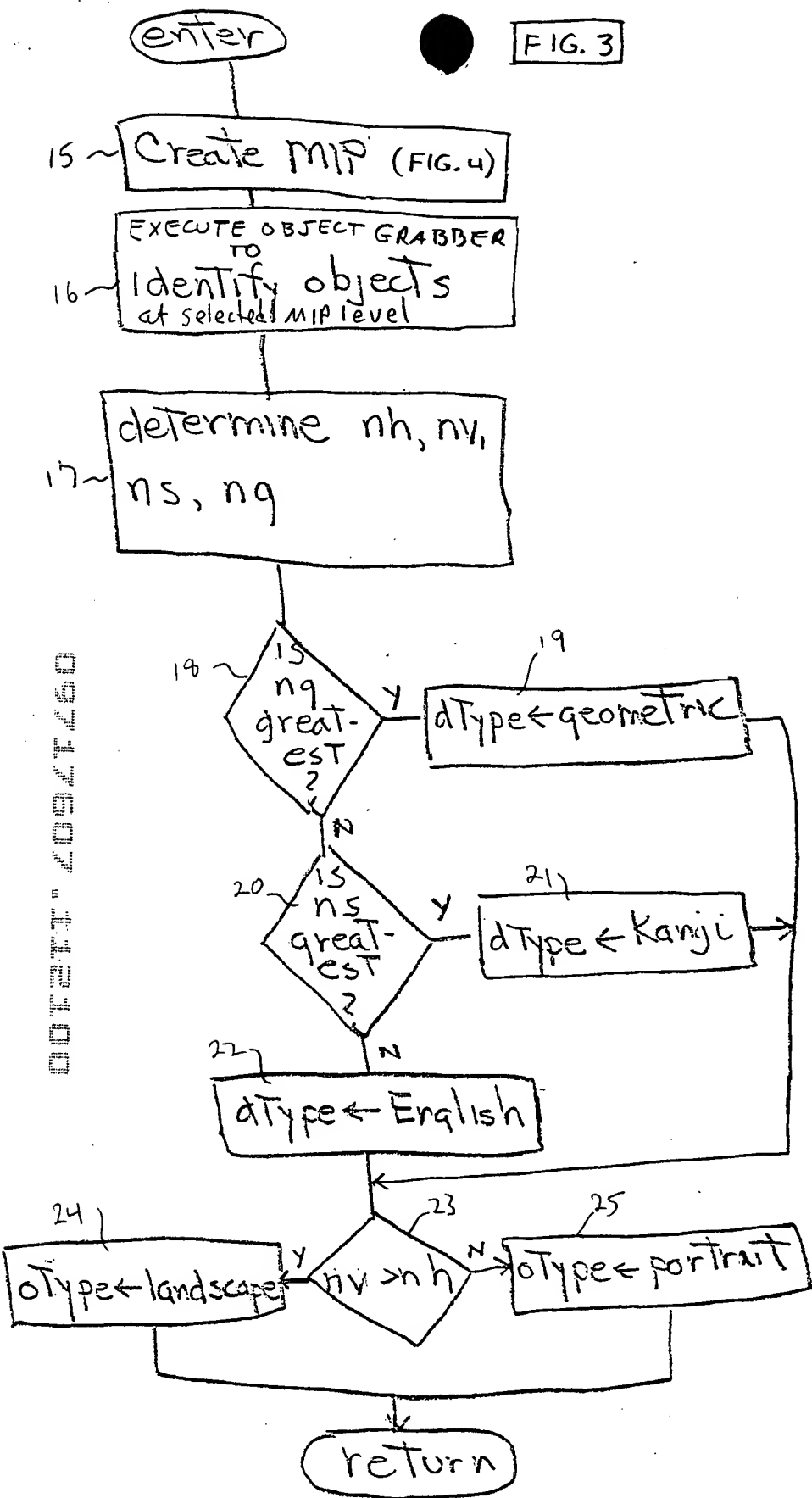


FIG. 2



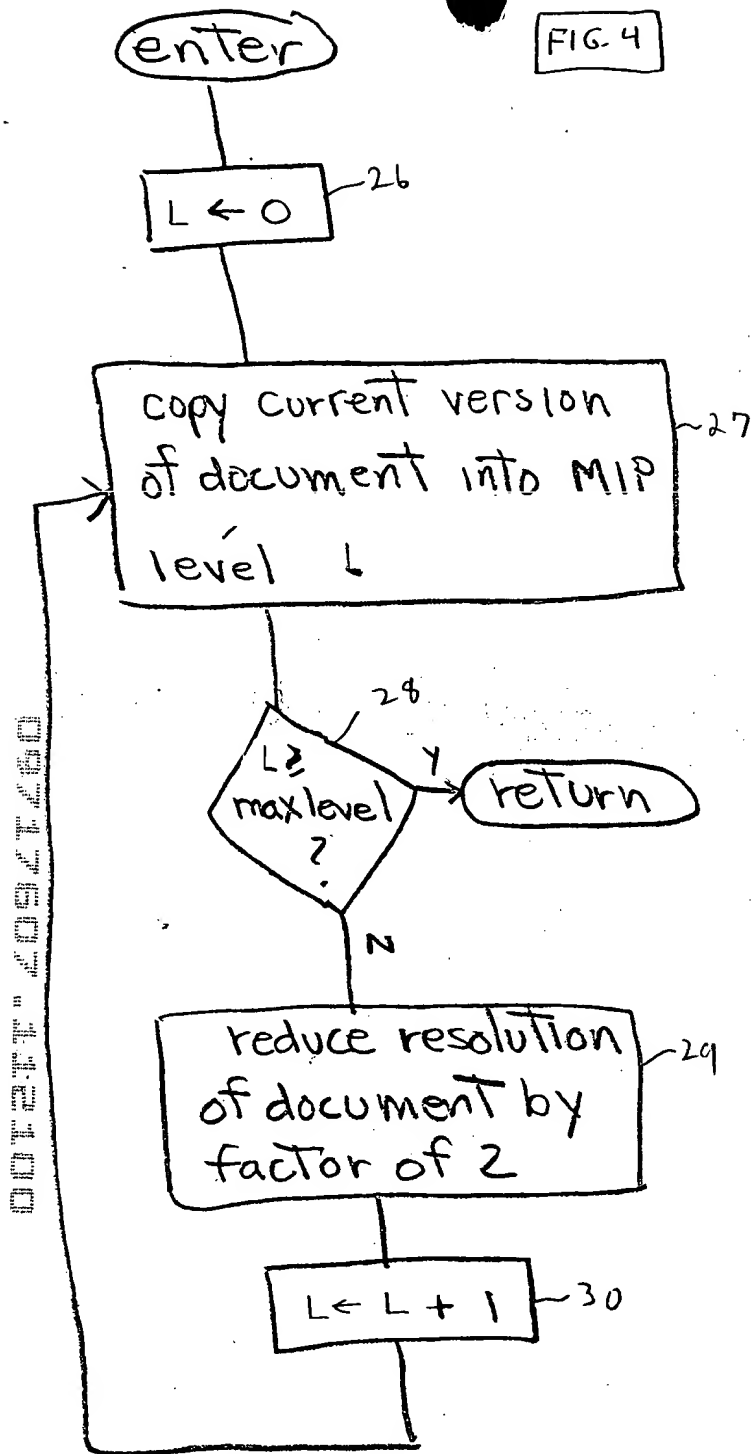
1. Top Level Flow

FIG. 3



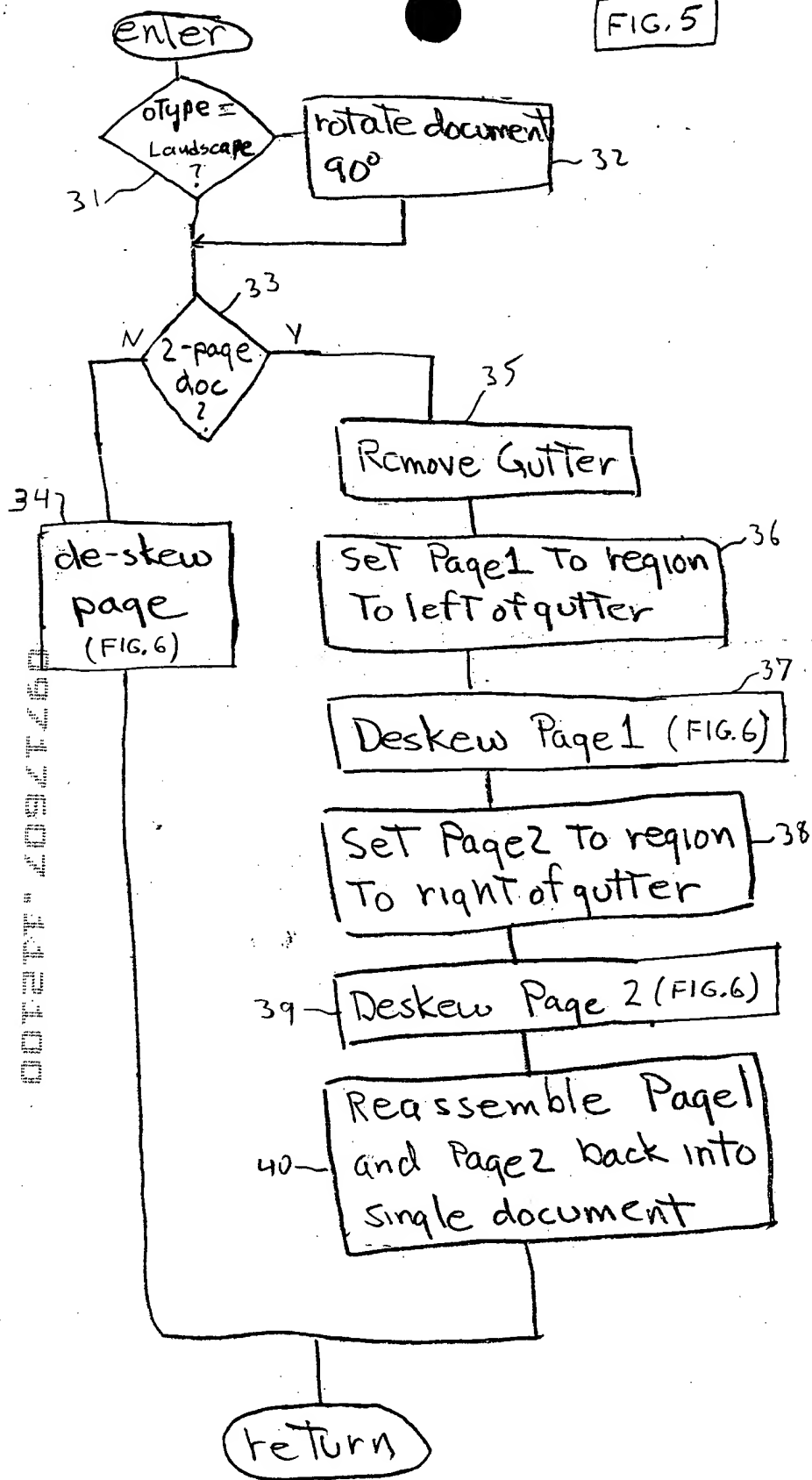
Classify Document

FIG. 4



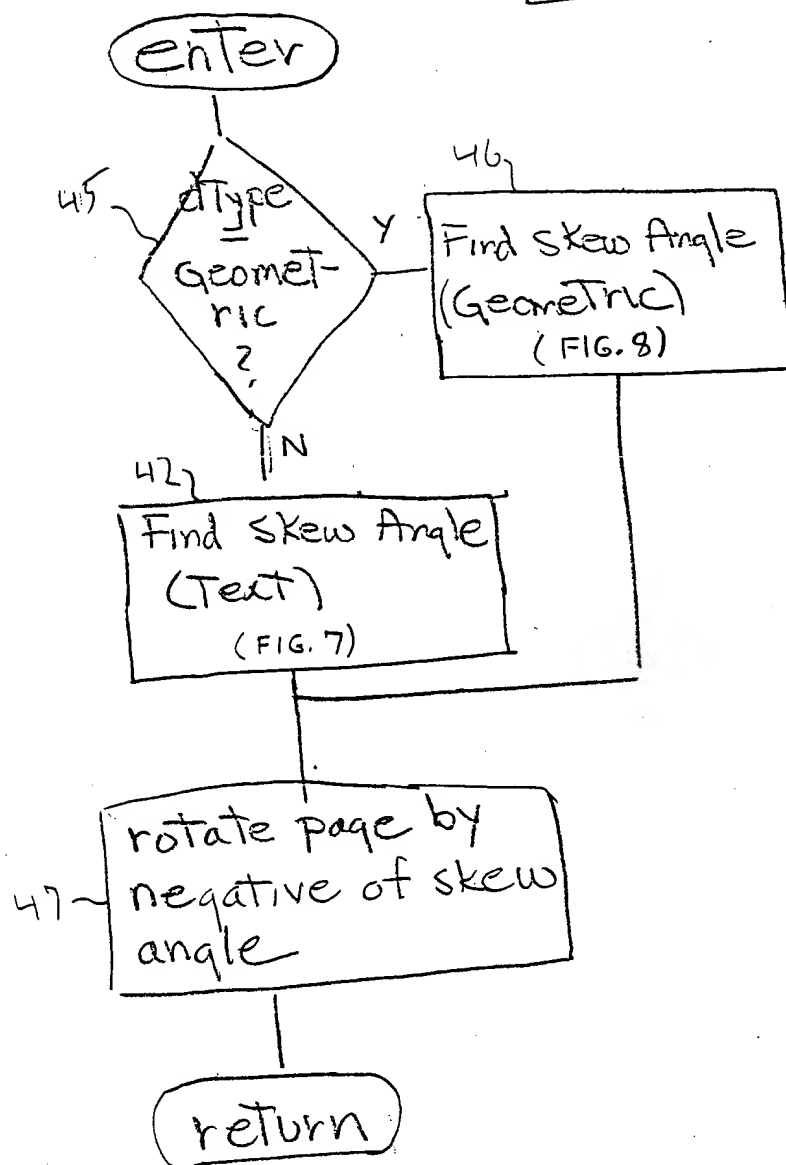
CREATE REDUCED-RESOLUTION
MIP LEVEL IMAGES

FIG. 5



Deskew Document

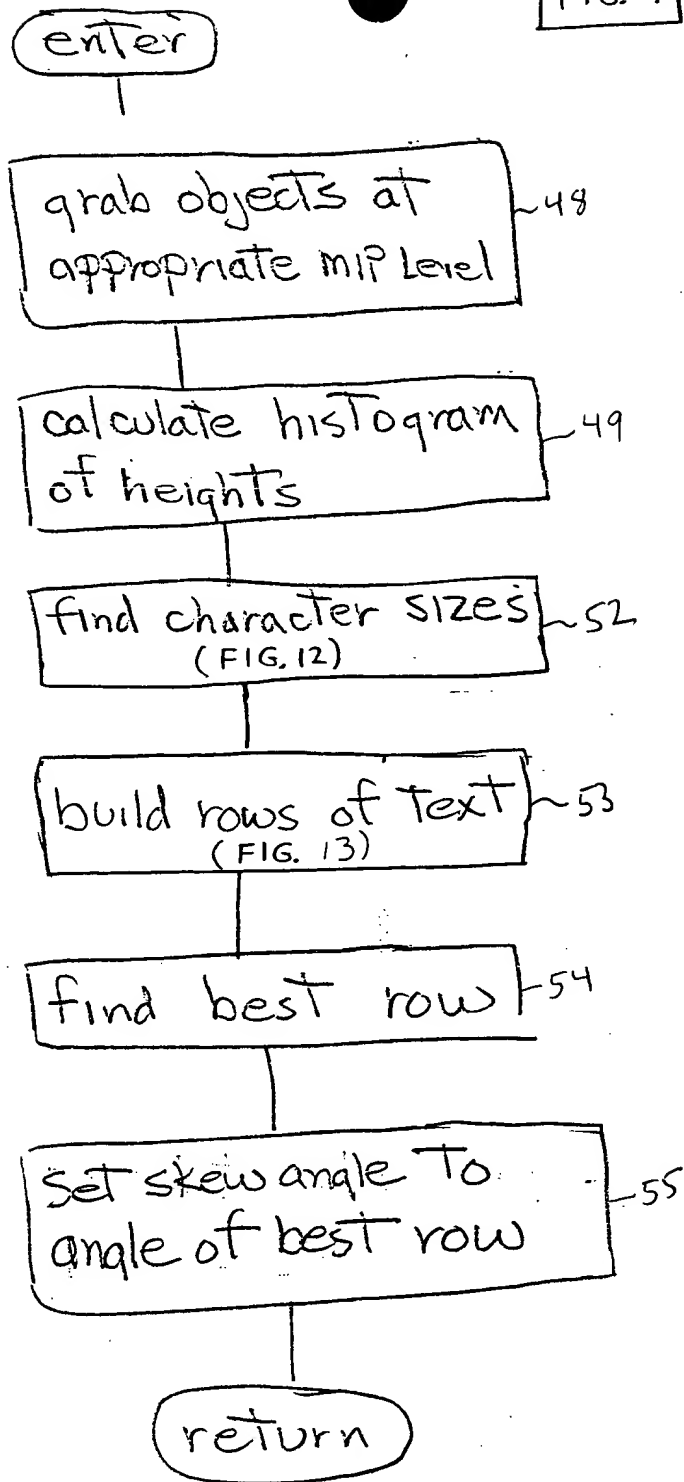
FIG. 6



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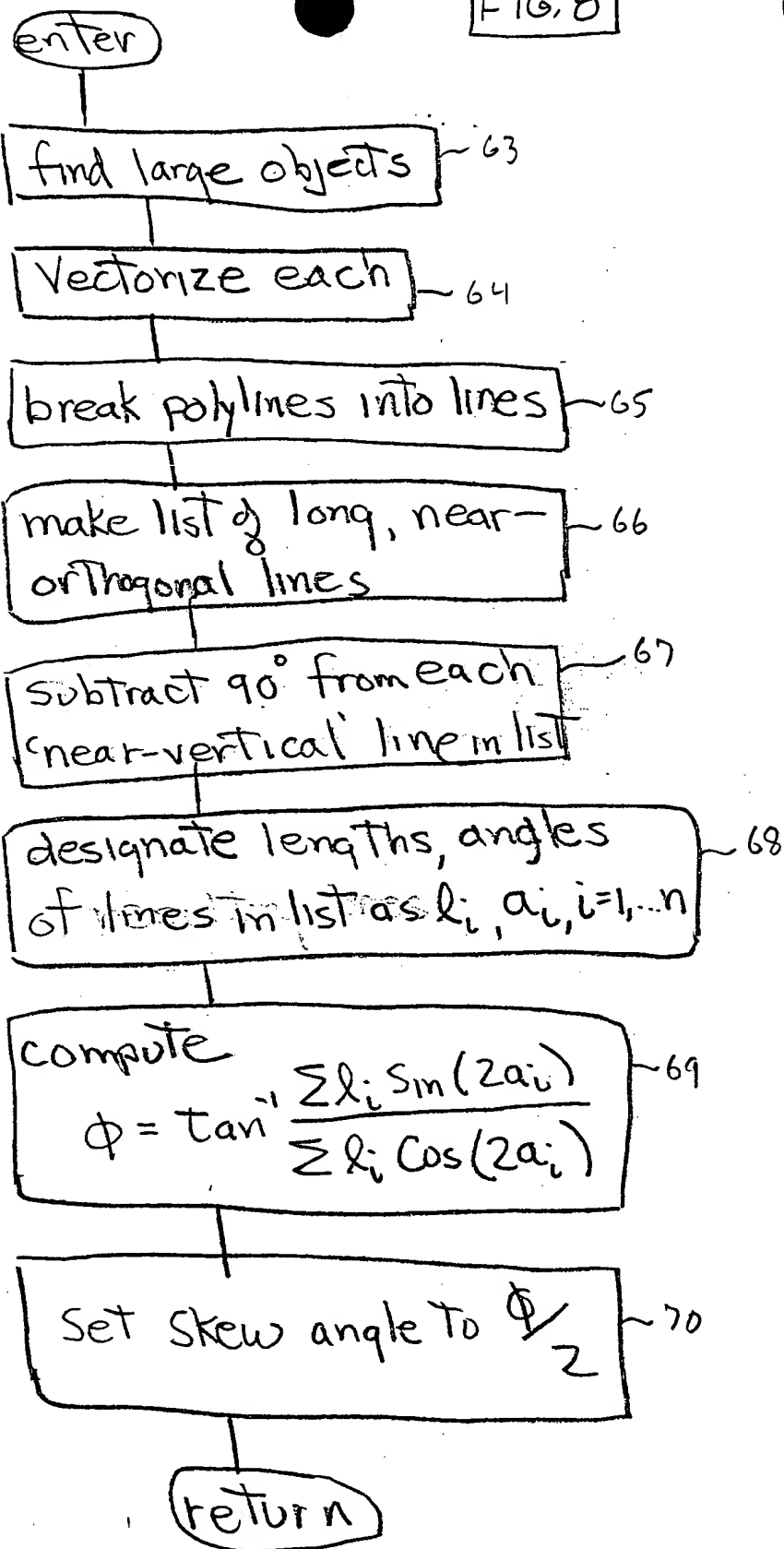
Deskew Page

FIG. 7



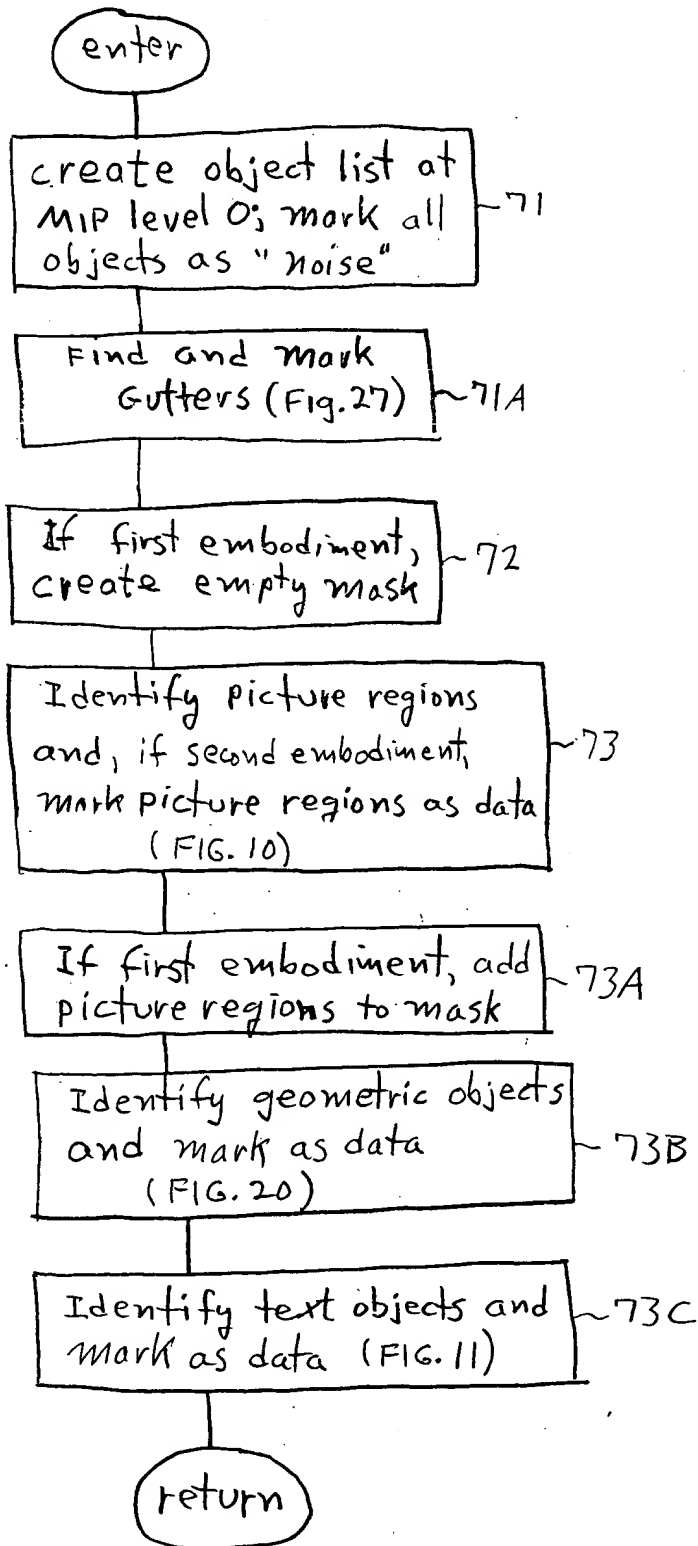
Find Skew Angle (Text)

FIG. 8



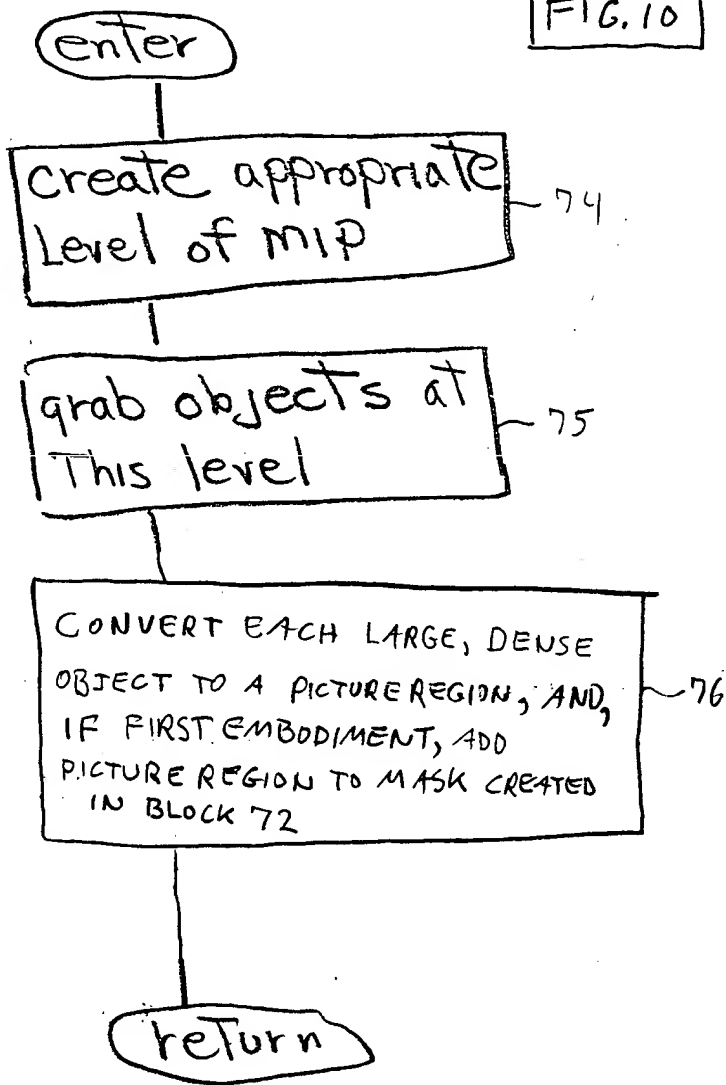
Find skew Angle (Geometric)

FIG. 9



IDENTIFY DATA

FIG. 10

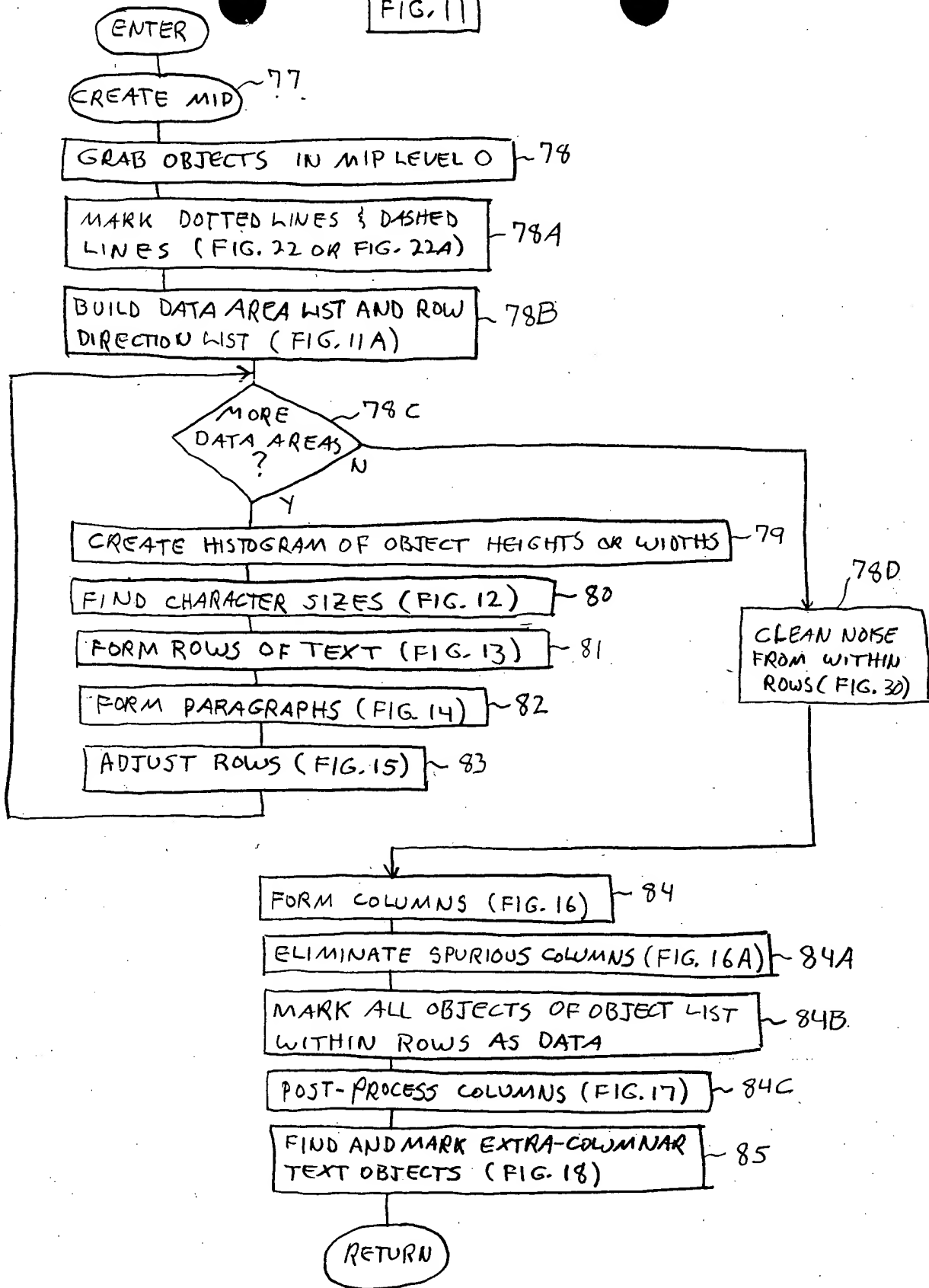


Identify Picture Regions



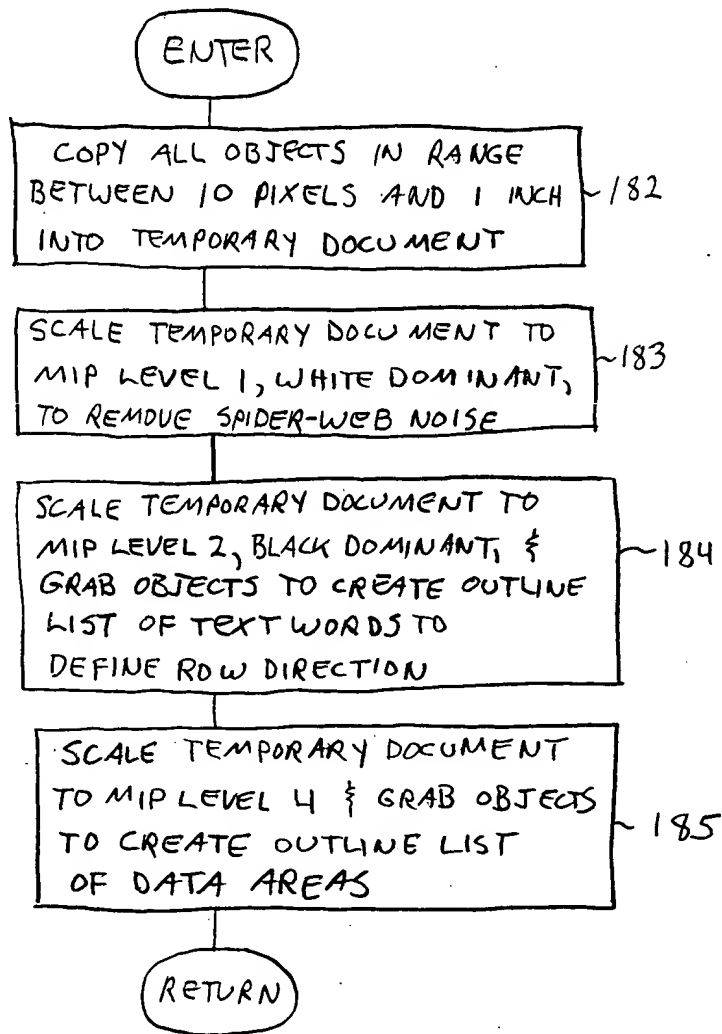
DOT MATRIX

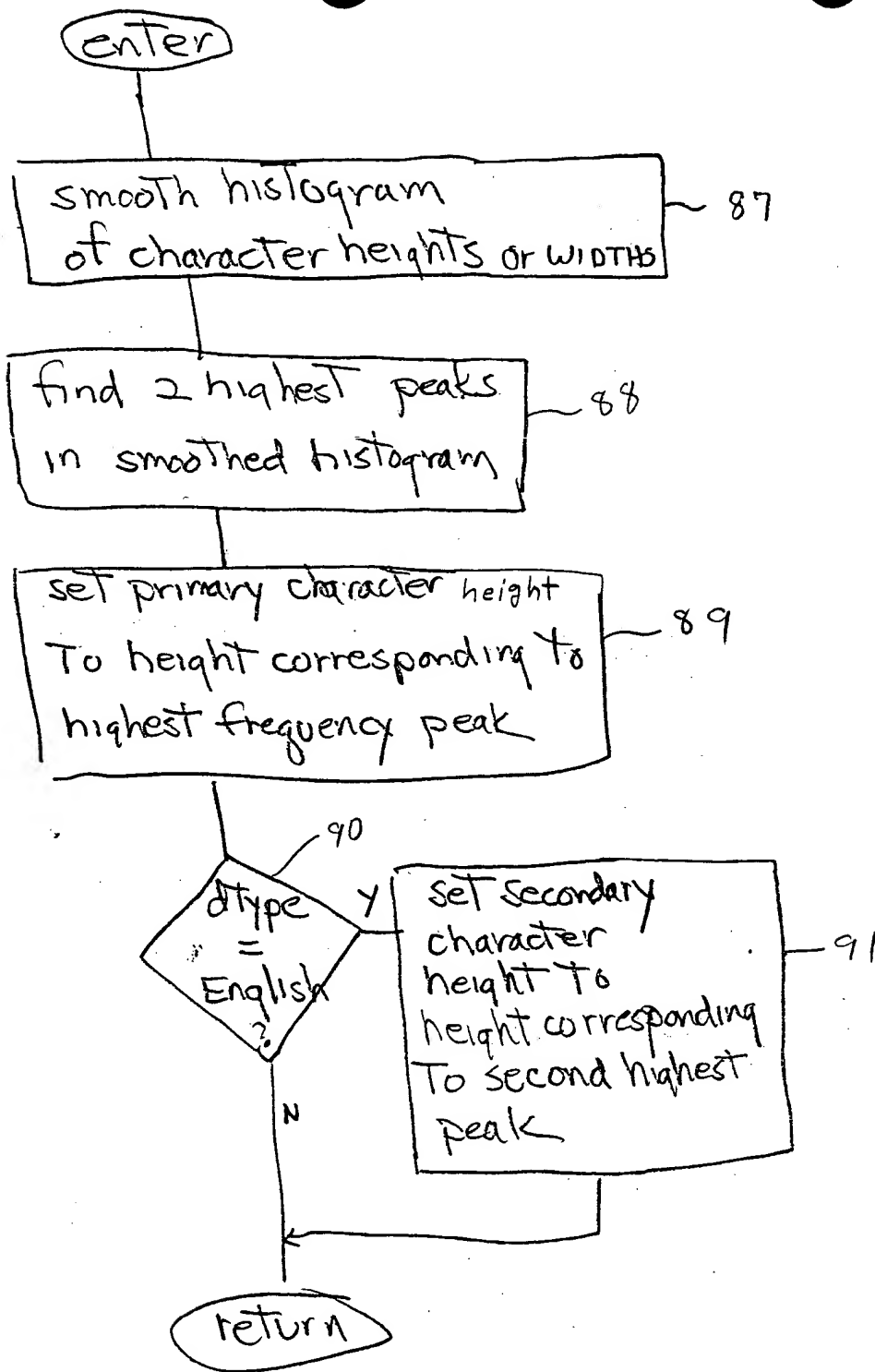
FIG. 11

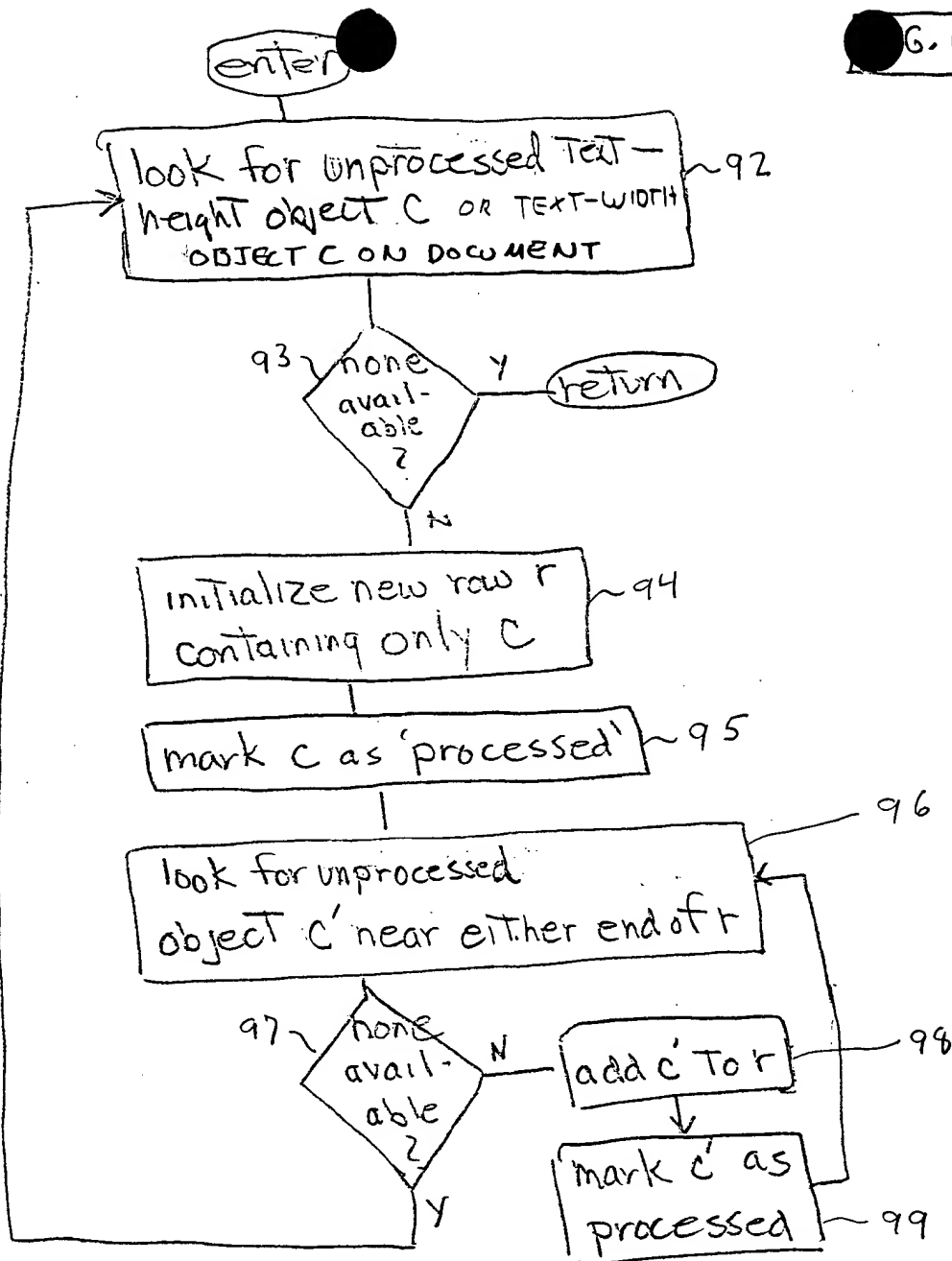


IDENTIFY TEXT OBJECTS AND MARK AS DATA

FIG. 11A







Form Rows of Text

enter

FIG. 14

sort rows in order
of ascending y 100

let r be the first row 101

initialize new paragraph
 p with row r 102

103
more
rows
?
N return

get next row r 104

105
 $d_y(r, p)$
small
?
N

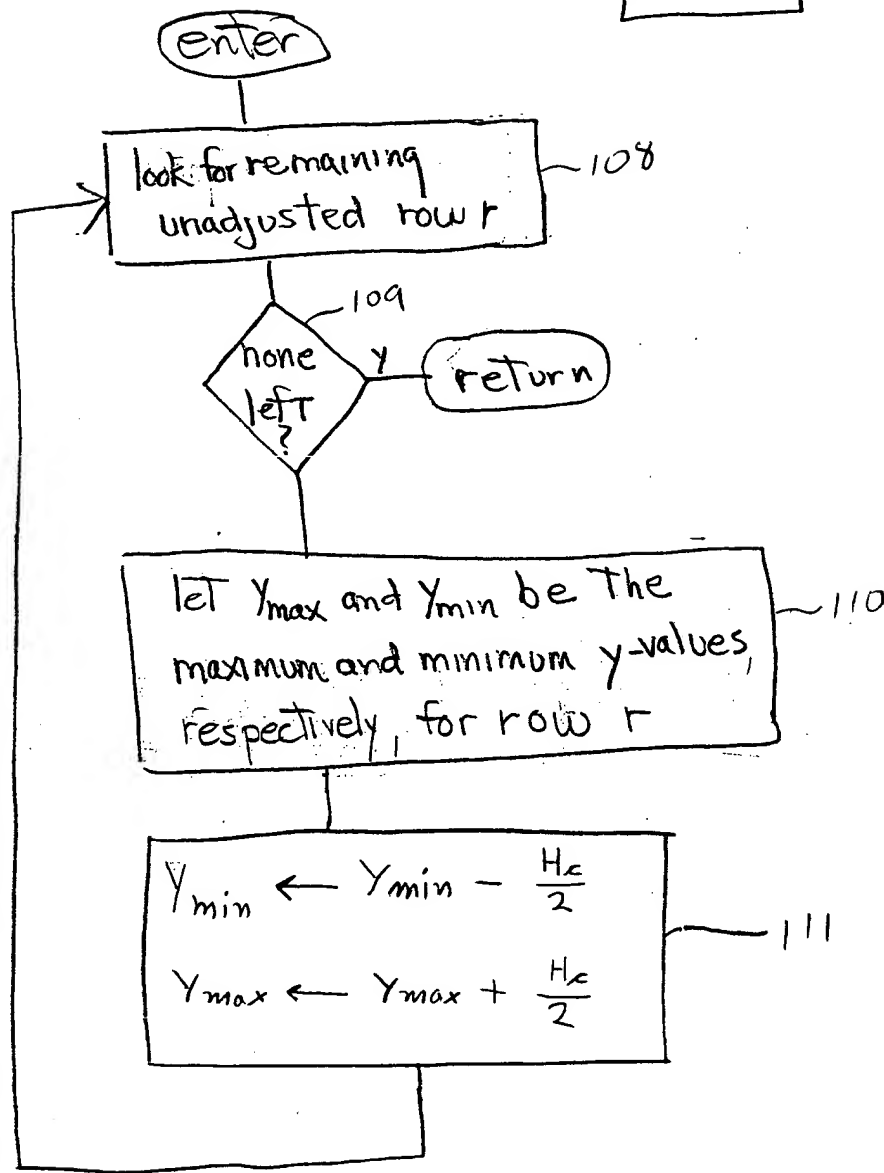
106
 $O_x(r, p)$
?
N

107
Add row r to
Paragraph P

Form Paragraphs

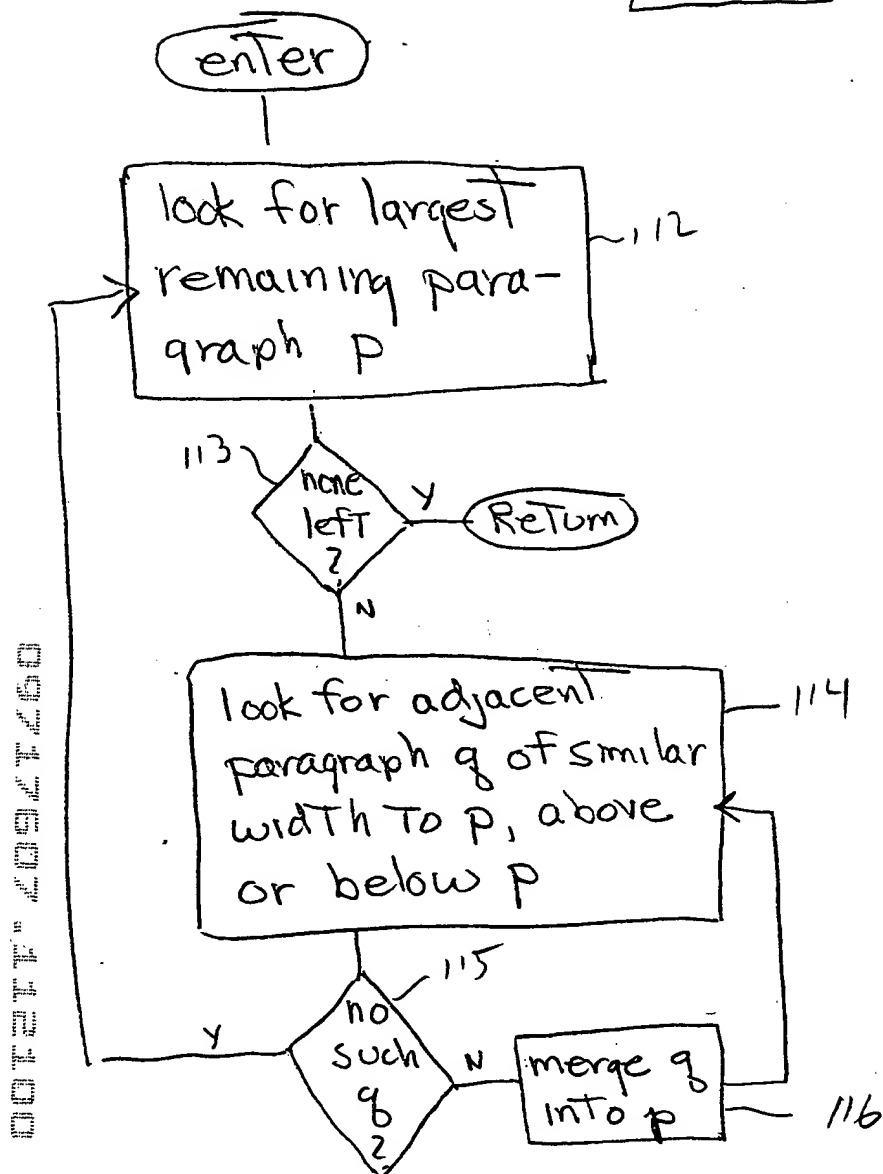
FIG. 15

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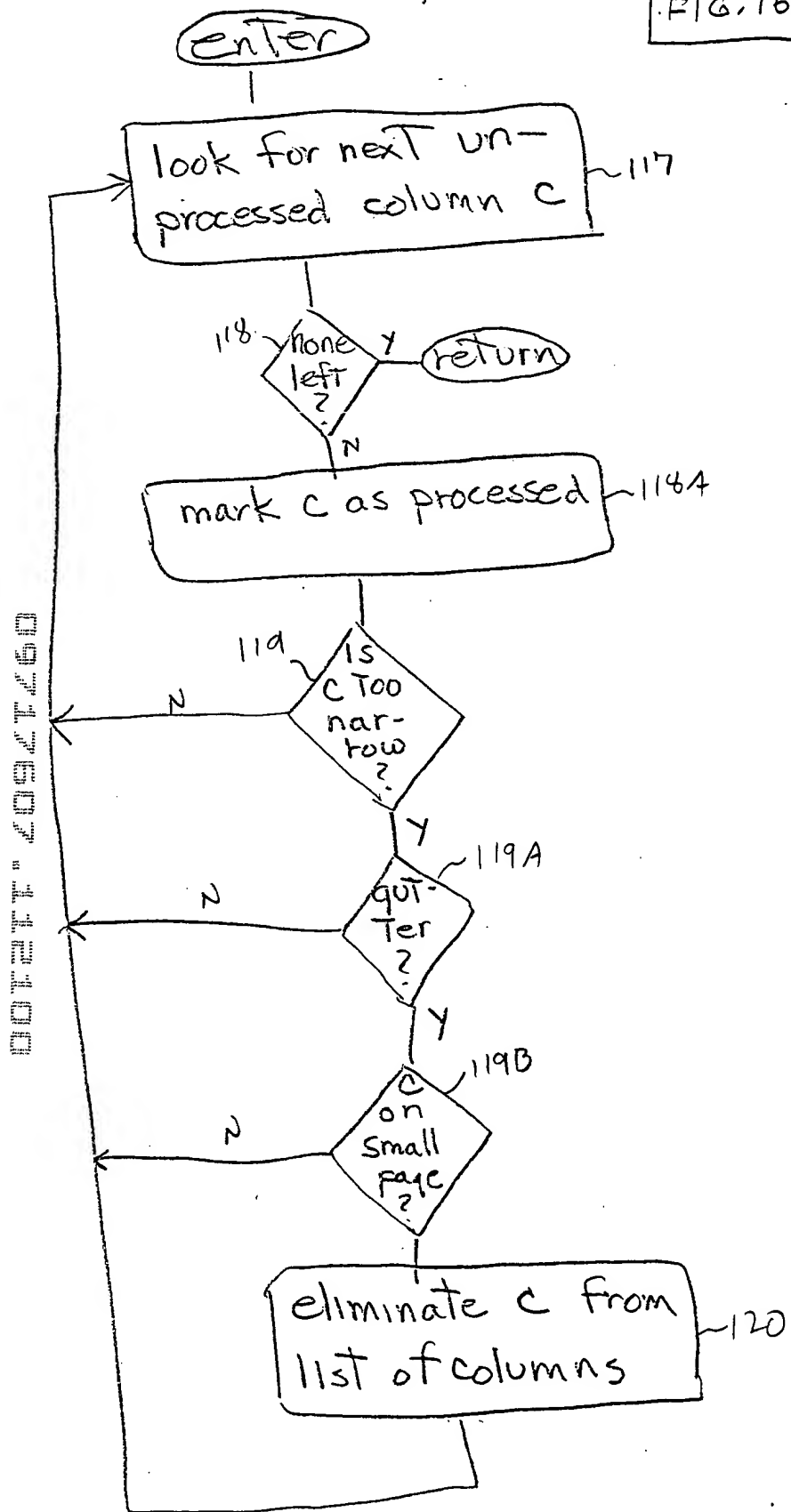
Adjust Rows

FIG. 16



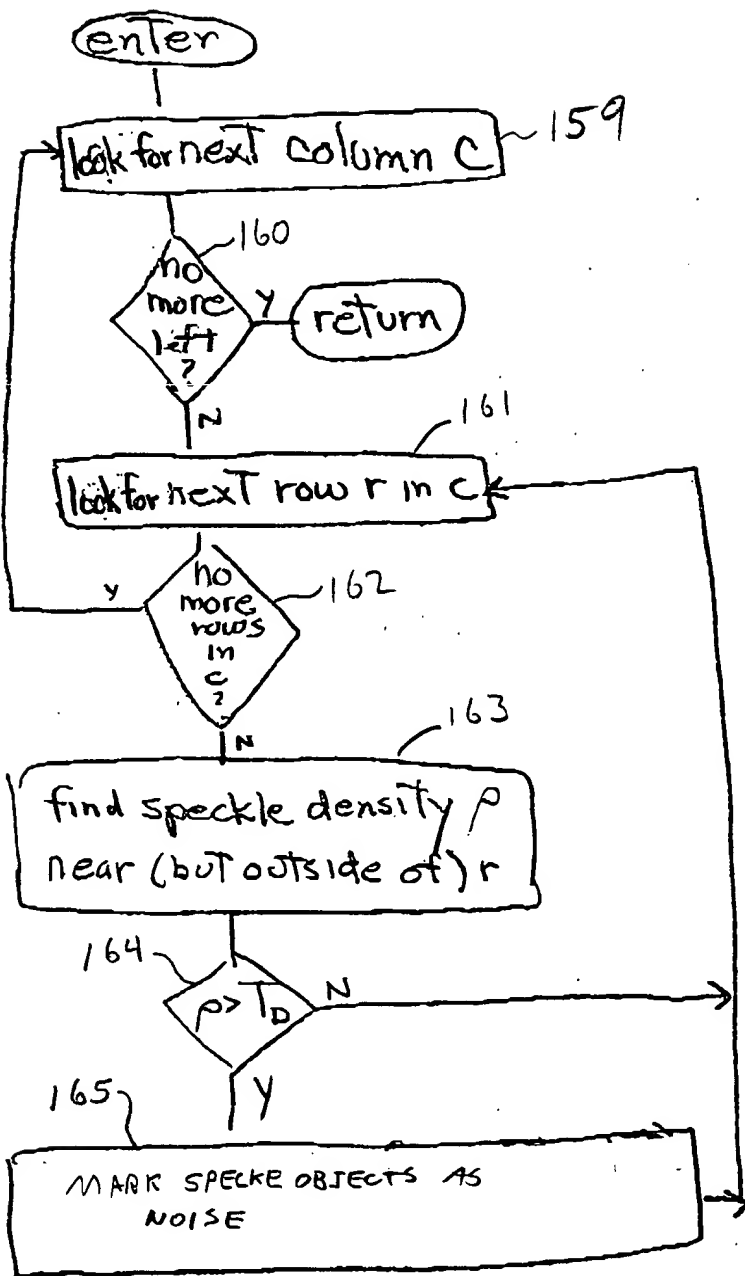
Form Columns of Text

FIG. 15A



Eliminate Spurious Columns

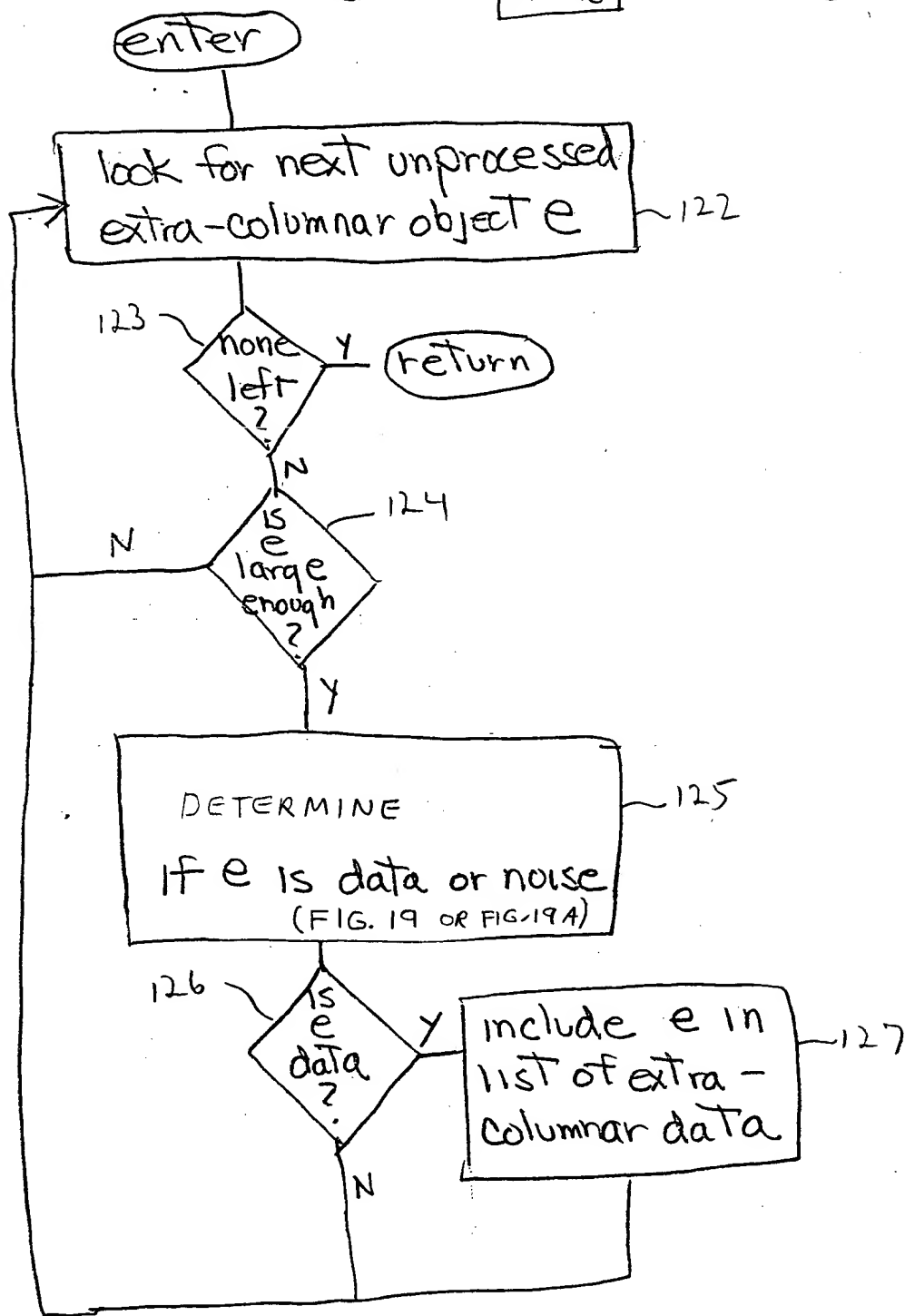
FIG. 17



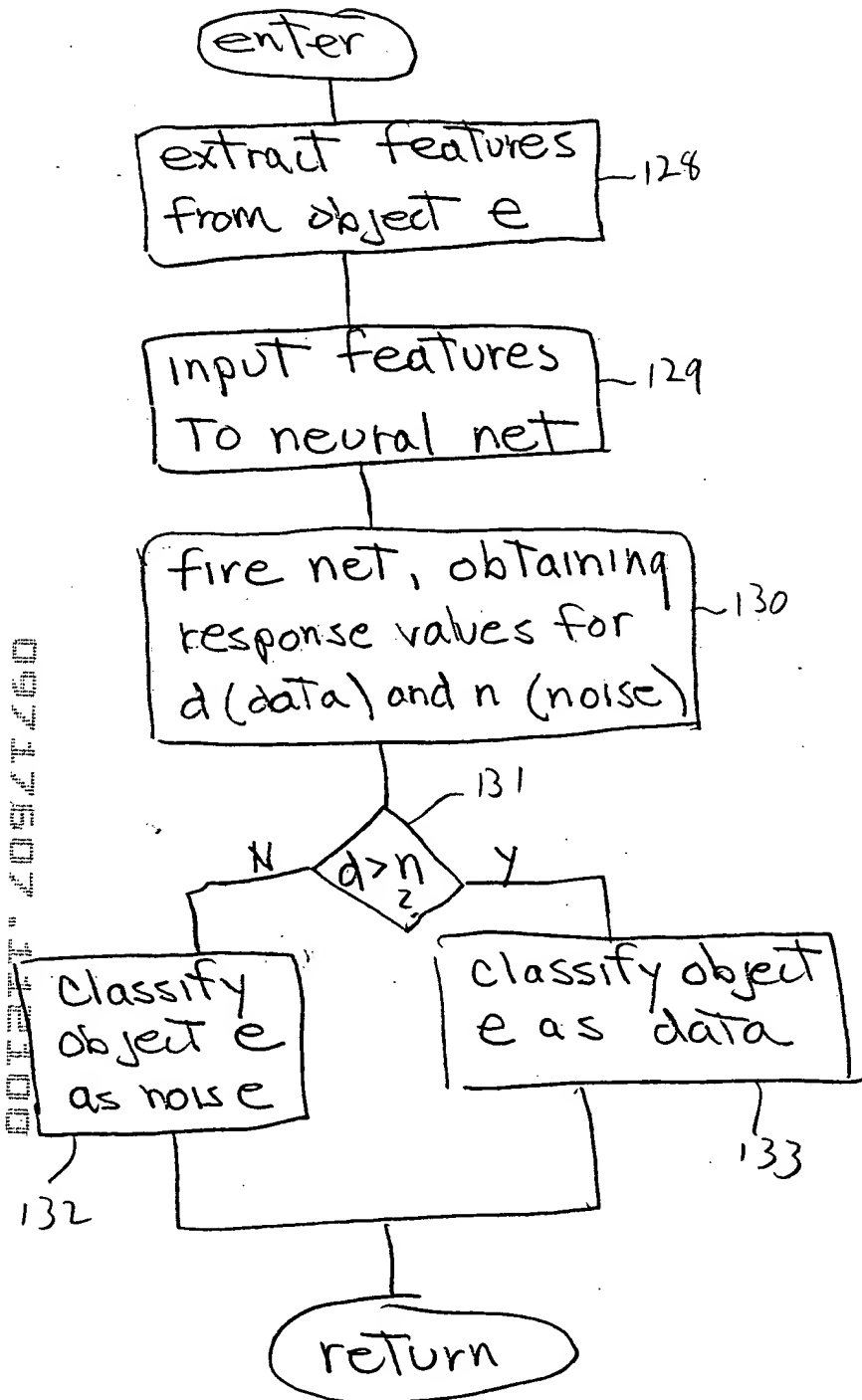
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Postprocess Columns

FIG. 18



FIND AND MARK EXTRA-COLUMNAR TEXT
OBJECTS AS DATA



Invoke Neural Net

FIG. 19A

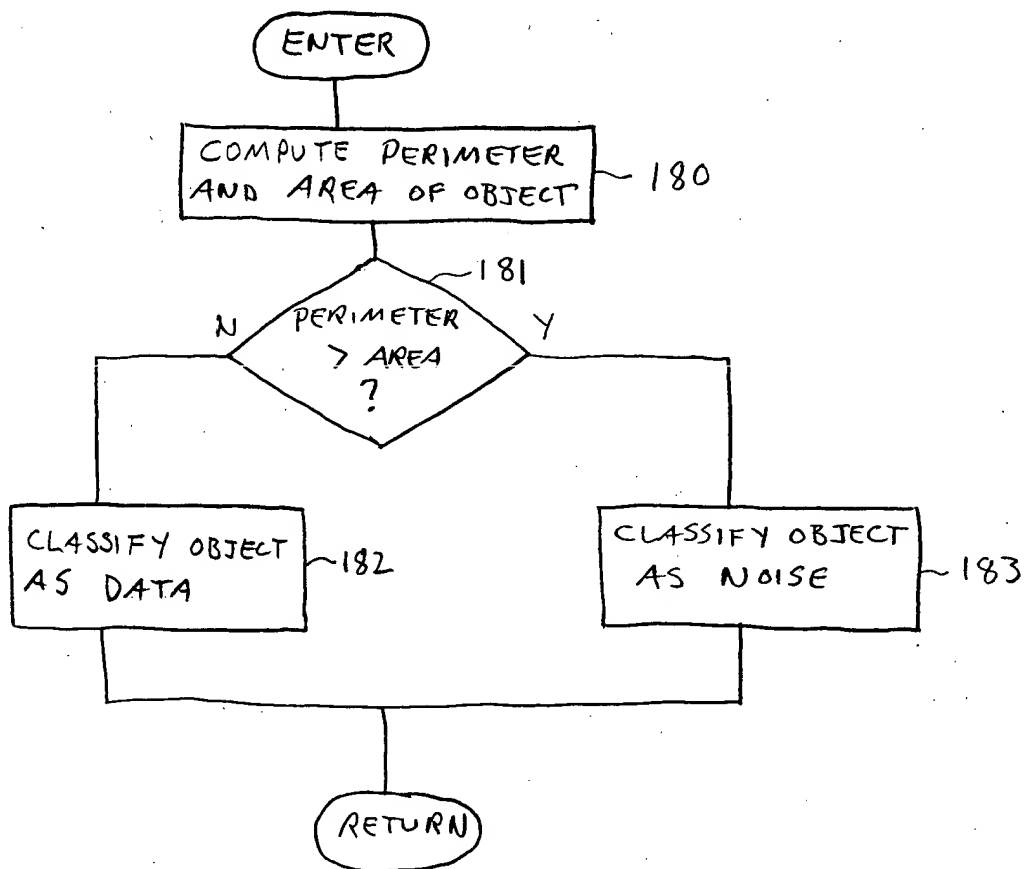
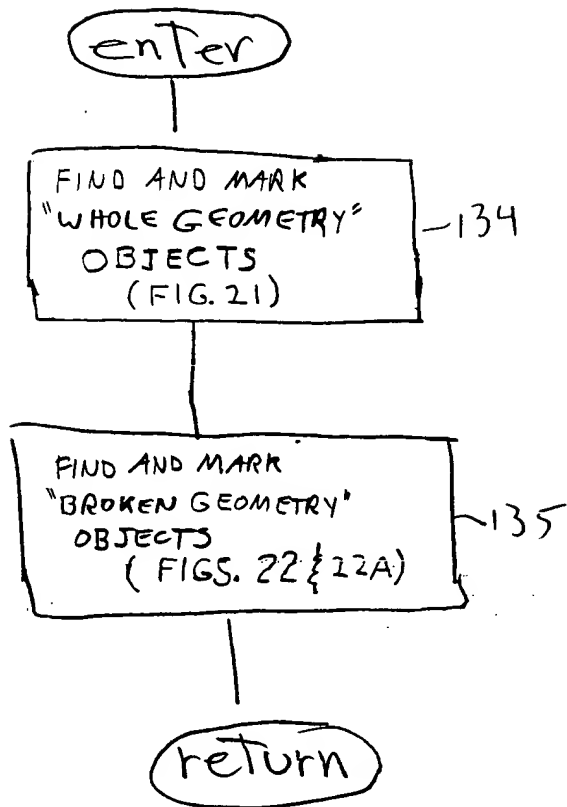


FIG. 20

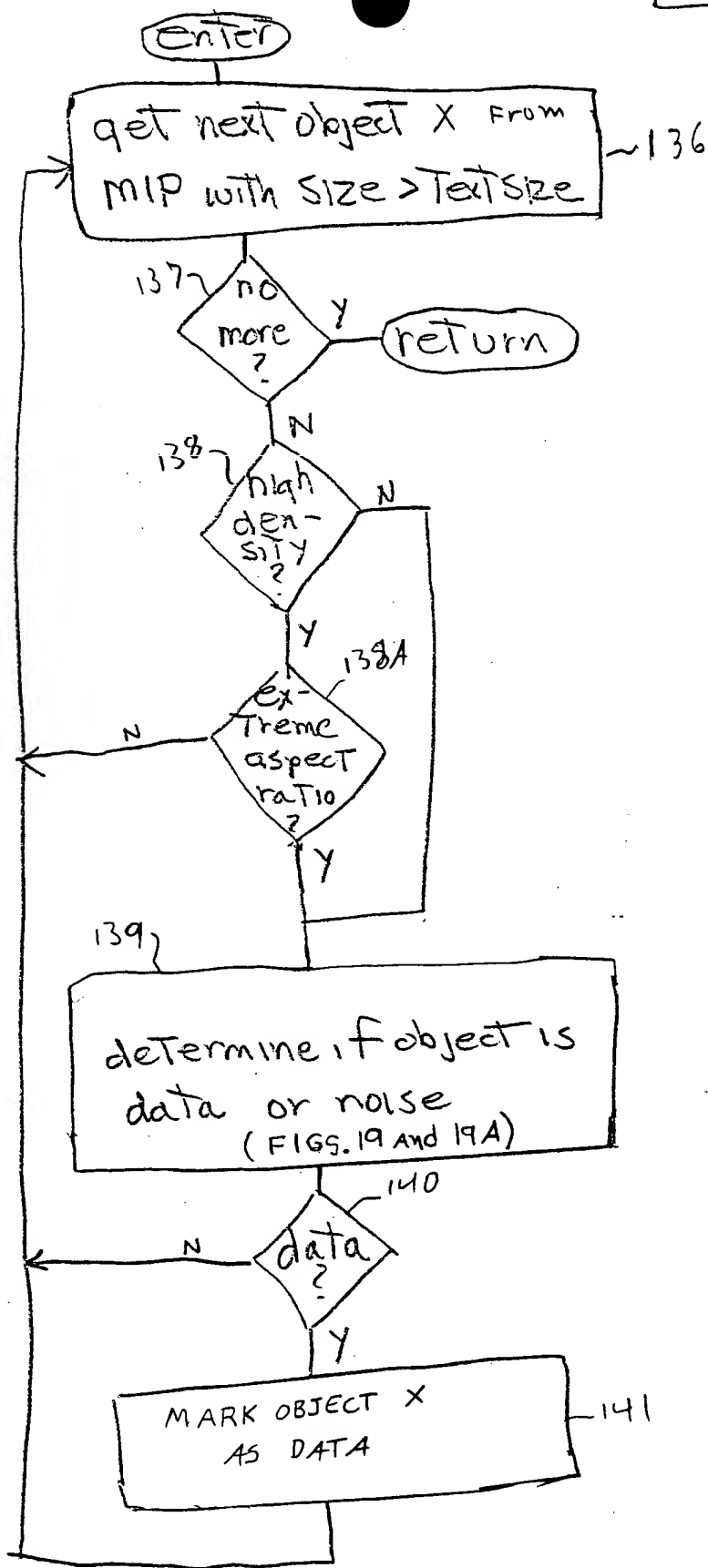


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Identify GEOMETRIC OBJECTS AND MARK
AS DATA

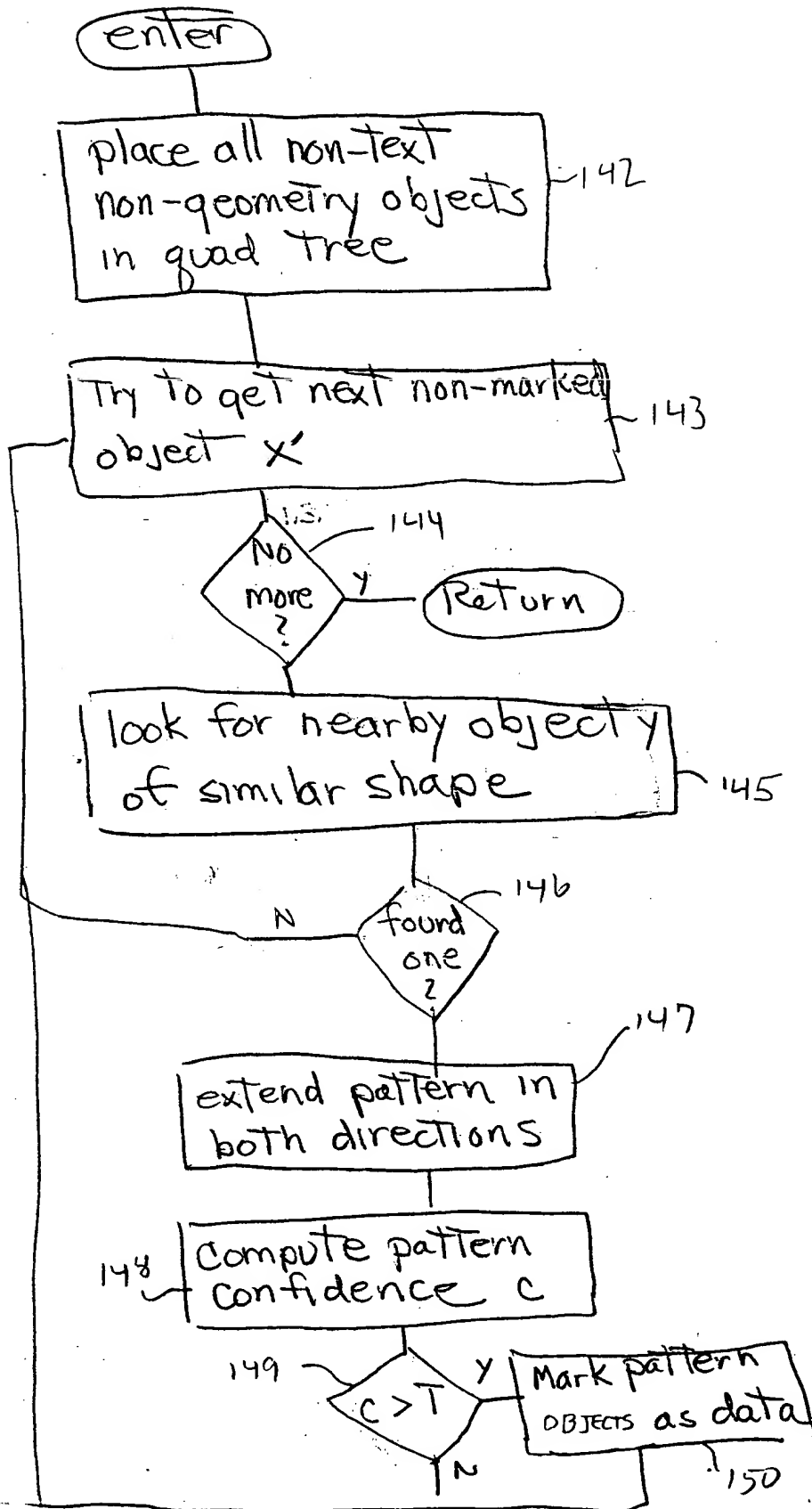
FIG. 21

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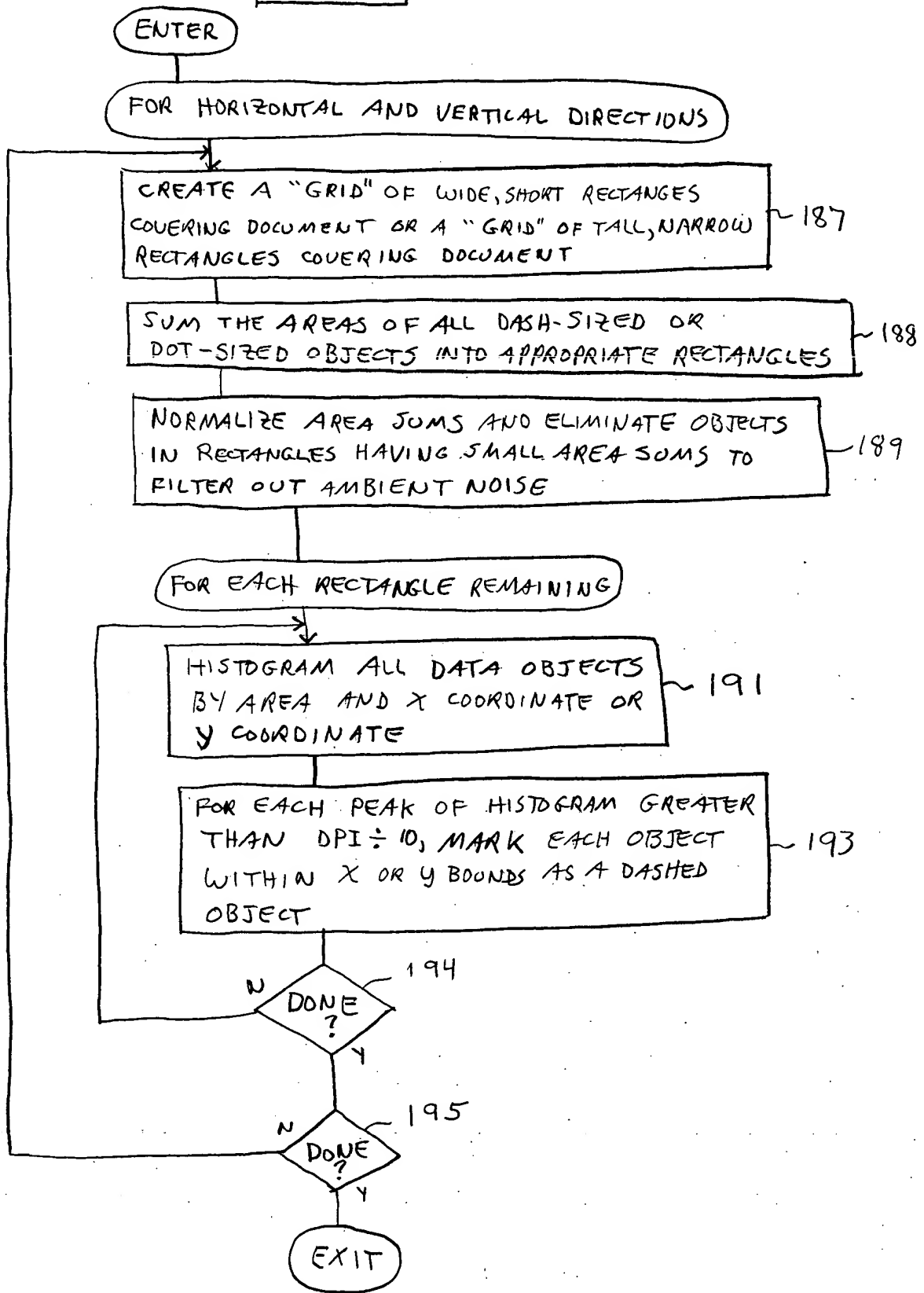
Find Whole Geometry

FIG. 22



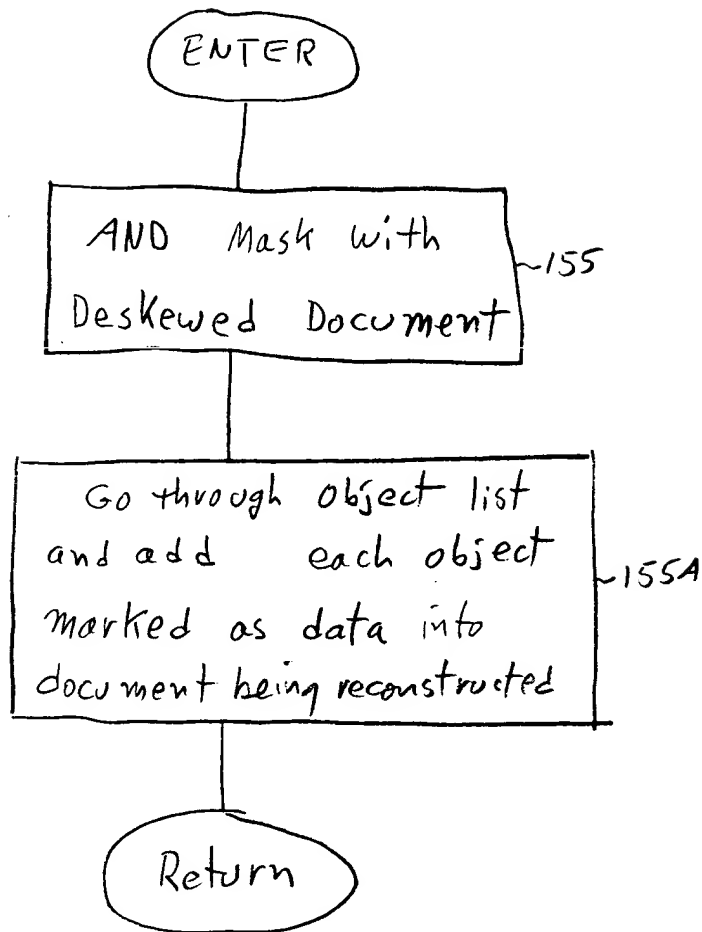
FIND AND MARK BROKEN GEOMETRY OBJECTS

FIG. 22A



MARK OBJECTS FORMING DASHED & DOTTED LINES

FIG. 23



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FIG. 23A

ENTER

GO THROUGH OBJECT LIST
AND DELETE EACH OBJECT
NOT MARKED AS DATA FROM
DOCUMENT BEING RECONSTRUCTED

~ 155 B

RETURN



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すぎているか」
「今以上のより深い思いを伝える文書を創造し、
伝達することはできないか」
……誰しもが感じ疑問です。
166
167
その答えを、ゼロックスグループは用意いたし
ました。あえて「文書」とはいわず、「ドキュメ
ント」と呼びます。皆さまに提供できるサービ
スの自信と決意を込めて、定冠詞 The をつけた
「The Document」です。
1通の伝言メモから分厚いマニュアルまで、す
べての「ドキュメント」をよりすばらしいものに
するお手伝いを、ゼロックスはできると確信して
います。

2 望ましい「ドキュメント」とは

ドキュメントは、伝えたい思いを正確にスピー
ディに相手に伝えることを目的としています。その
ためには、
★必要な要素をもれなく手早く盛り込むことが
できること、
★目的の相手に望むときに正しく伝わること、
★そして、必要な人が必要なときにファイルか
ら取り出したり検索できること、

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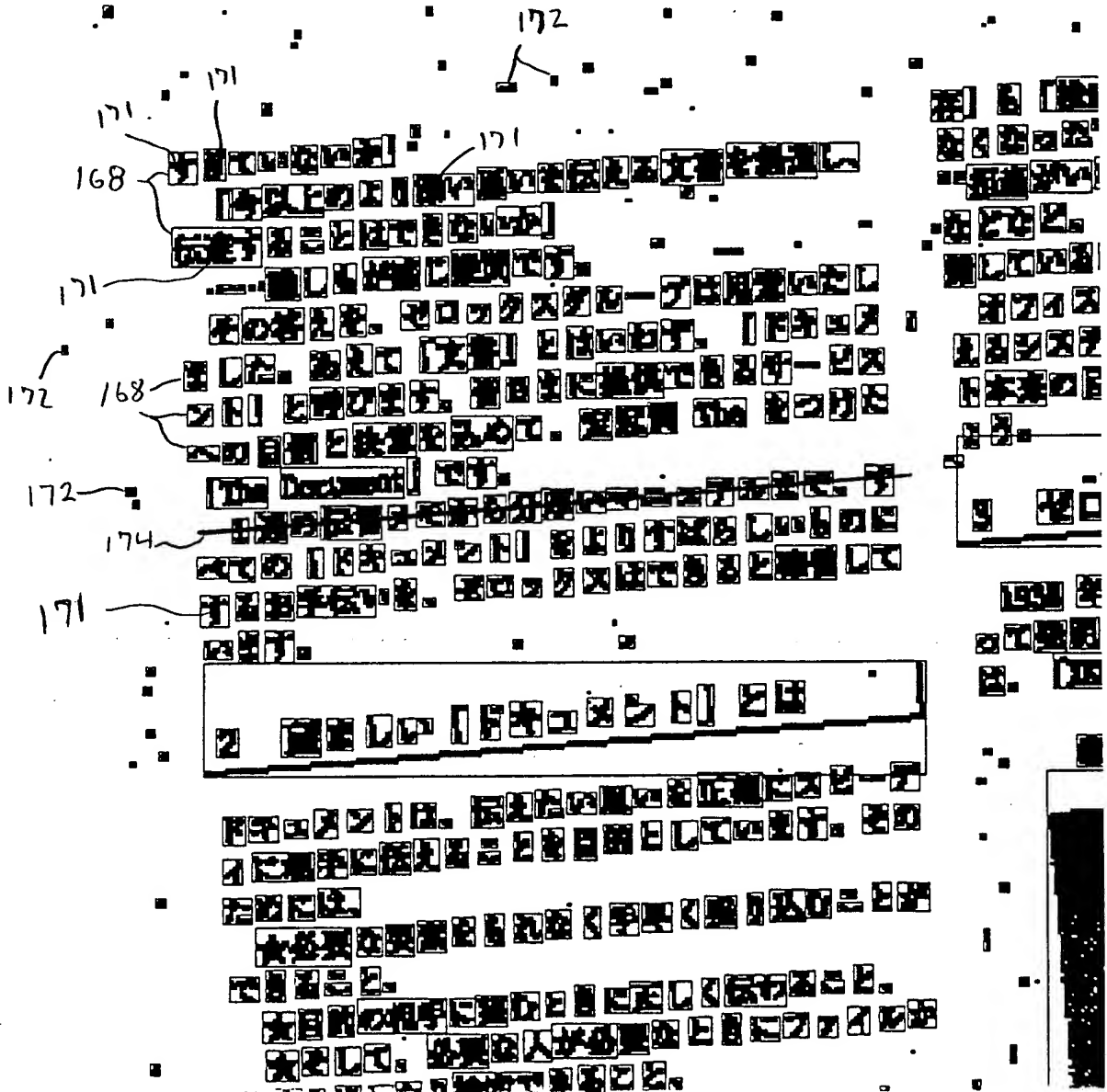
FIG. 24B

map Level 2

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



DOTNET 2096T 260



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169 「すぎているか」
「今以上のより深い思いを伝える文書を創造し、
伝達することはできないか」

……誰しものが感じ疑問です。

167 その答えを、ゼロックスグループは用意いたし
ました。あえて「文書」とはいわず、「ドキュメ
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ためには、

★必要な要素をもれなく手早く盛り込むことが
できること、

★目的の相手に望むときに正しく伝わること、

★そして、必要な人が必要なときにファイルか

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「……誰しものが感じ疑問です。」

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その答えを、ゼロックスグループは用意いたし
ました。あえて「文書」とはいわず、「ドキュメ
ント」と呼びます。皆さまに提供できるサービス
への自信と決意を込めて、定冠詞 The をつけた
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1通の伝言メモから分厚いマニュアルまで、す
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ィに相手に伝えることを目的としています。その
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1 通の伝言メモから分厚いマニュアルまで、すべての「ドキュメント」をよりすばらしいものにするお手伝いを、ゼロックスはできると確信しています。

2 望ましい「ドキュメント」とは

ドキュメントは、伝えたい思いを正確にスピーディに相手に伝えることを目的としています。そのためには、

★必要な要素をもれなく手早く盛り込むことができること、

★目的の相手に望むときに正しく伝わること、

★そして、必要な人が必要なときにファイルか

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Paper Space works much like a piece of paper. Viewports are like holes cut in the paper to see through to the model.

Paper Space, as shown in Figure 2, is this mode to organize a plotting sheet for plotting by different views of your model at various magnifications. Views—called floating viewports—simply holes cut in the paper to see through to the model. When Paper Space enabled, you have additional capabilities, such as zooming, layer manipulation, and type scaling. In the Paper Space environment, title blocks and notes, detail tags, and so on can be added at a 1:1 scale. This ratio allows you to scale title block for the sheet you are using without the need to resize it to fit the desired sheet size. When plotting a Paper Space drawing, you will always plot

taken from a base plan. The base plan can be displayed at 1/4-inch or 1/8-inch scale with details at a larger scale.

The layer visibility can be controlled in each viewport. If a change is made to the base plan, it will automatically appear in the enlarged detail, as shown in Figure 2.

■ Details can be combined on one plotted sheet. Using Paper Space and xrefs allows you to put together a stair detail or an enlarged toilet plan sheet by external referencing of the first, second and third floors of a building, isolating the areas to be detailed from each floor in a viewport window and adding notes and dimensions, as shown in Figure 3.

■ Paper Space can display plans that require quadrant displays too big for the paper size. The

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FIG. 25 B

viewports can be placed on the screen as shown in Figure 2.

As shown in Figure 2, the model is organized in sheets for plotting by different views of your various configurations—called floating view—simply holes cut in the through in the model. Space enabled you and capabilities, such as layer manipulation, type scaling, in the environment title and notes, detail page, can be added as a title allows you in the block for the are using within is in the dashed are plotting a Paper if you will always plot

view from a base plan. The base plan can be displayed in 4-inch or 2-inch scale with details at a larger scale. The layer visibility can be controlled in each viewport. If a change is made in the base plan, it will automatically appear in the enlarged detail, as shown in Figure 2.

Details can be combined on one plotted sheet. Using Paper Space and xrefs allows you to put together a sheet dated or an enlarged toilet plan sheet by external referencing of the first, second and third floors of a building, isolating the areas to be detailed from each floor in a viewport window and adding notes and dimensions, as shown in Figure 3.

Paper Space can display plans that require quadrant displays too big for the paper sheet. The

style base scale One layer Set Page What sheet Spec then Desc Item prop plan what refer Model 0-1 1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25 25-26 26-27 27-28 28-29 29-30 30-31 31-32 32-33 33-34 34-35 35-36 36-37 37-38 38-39 39-40 40-41 41-42 42-43 43-44 44-45 45-46 46-47 47-48 48-49 49-50

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22-142 100 SHEETS
22-144 200 SHEETS



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FIG. 25C

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with details at a larger scale.

The layer visibility can be con-
trolled in each viewport. If a
change is made to the base plan,
it will automatically appear in
the enlarged detail, as shown in
Figure 2.

■ Details can be combined on one
plotted sheet. Using Paper
Space and xrefs allows you to
put together a stair detail or an
enlarged toilet plan sheet by
external referencing of the first,
second and third floors of a
building, isolating the areas to
be detailed from each floor in a
viewport window and adding
notes and dimensions, as shown
in Figure 3.

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FIG. 25 D

viewports are like holes cut in the sheet to the model.

er, as shown in Figure 2. This mode to organize the sheet for plotting by different views of your model at various magnifications—called floating view—simply holes cut in the sheet through to the model space enabled, you can use all the capabilities, such as layer manipulation, type scaling. In the floating environment, title blocks and notes, detail tags, and dimensions can be added at a scale ratio allows you to use the title block for the sheet you are using without having to fit the desired sheet when plotting a Paper Space drawing, you will always plot

base plan can be displayed at 1/4-inch or 1/2-inch scale with details at a larger scale.

The layer visibility can be controlled in each viewport. If a change is made to the base plan, it will automatically appear in the enlarged detail, as shown in Figure 2.

Details can be combined on one plotted sheet. Using Paper Space and xrefs allows you to put together a stair detail or an enlarged toilet plan sheet by external referencing of the first, second and third floors of a building, isolating the areas to be detailed from each floor in a viewport window and adding notes and dimensions, as shown in Figure 3.

Paper Space can display plans that require quadrant displays too big for the paper size. The

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FIG. 25E

Paper Space works much like a piece of paper. Floating viewports are like holes cut in the paper through to the model.

When Paper Space is enabled, you can use this mode to organize your drawing sheet for plotting by using different views of your model at various magnifications. These views—called floating viewports—are simply holes cut in the paper to see through to the model. When Paper Space is enabled, you have additional capabilities, such as dimensioning, layer manipulation, and linetype scaling. In the Paper Space environment, title blocks, text and notes, detail tags, and so on can be added at a reduced scale. This ratio allows you to add a full-scale title block for the paper size you are using without having to size it to fit the desired scale. When plotting a Paper Space drawing, you will always plot

taken from a base plan. The base plan can be displayed at 1/4-inch or 1/8-inch scale with details at a larger scale.

The layer visibility can be controlled in each viewport. If a change is made to the base plan, it will automatically appear in the enlarged detail, as shown in Figure 2.

170 ■ Details can be combined on one plotted sheet. Using Paper Space and xrefs allows you to put together a stair detail or an enlarged toilet plan sheet by external referencing of the first, second and third floors of a building, isolating the areas to be detailed from each floor in a viewport window and adding notes and dimensions, as shown in Figure 3.

170 ■ Paper Space can display plans that require quadrant displays too big for the paper size. The

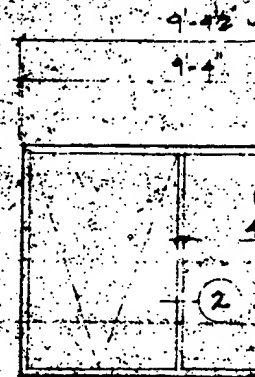
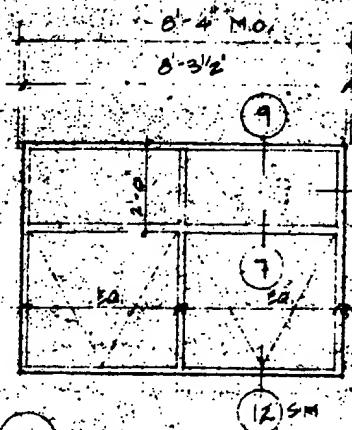
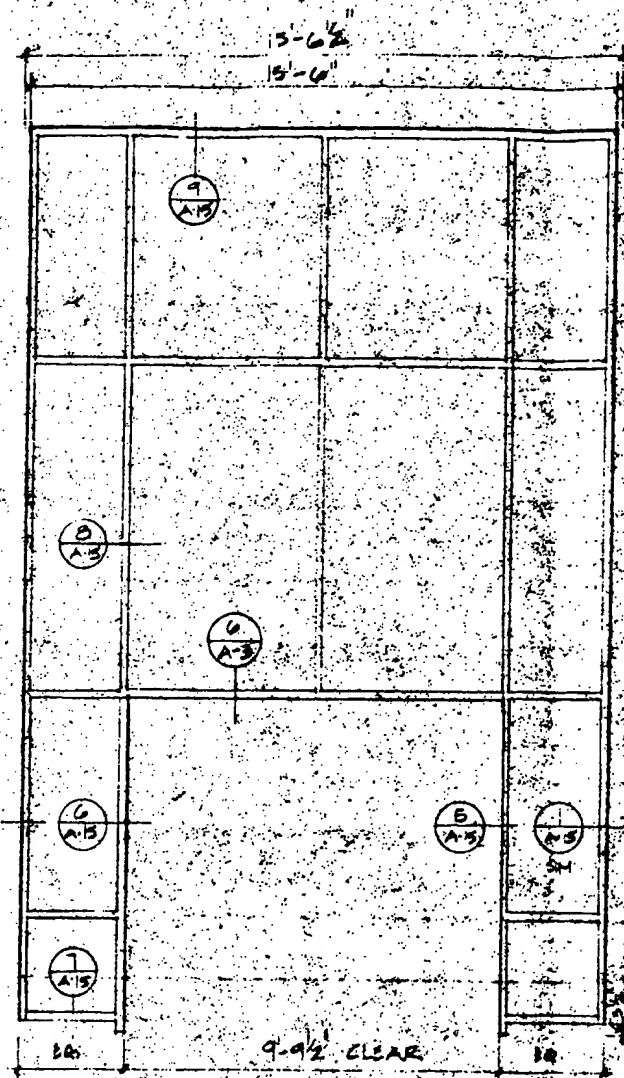
167

FIG. 26A

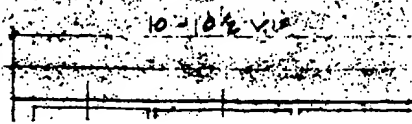
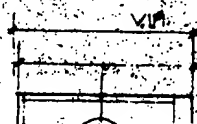
22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



DOTNET 2027450



2 2" OPPOSITE



5/8 GYPSUM SHEATHING

FIG. 26B

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



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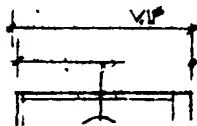
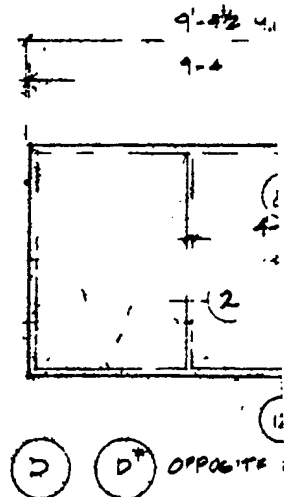
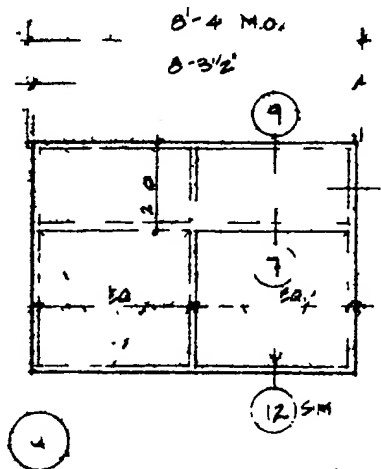
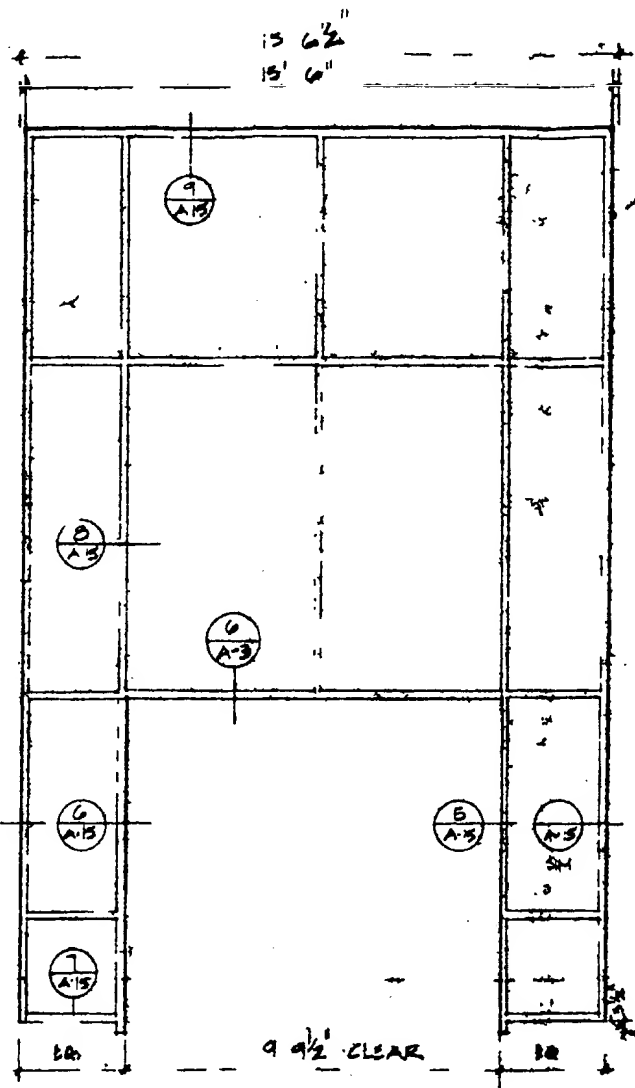
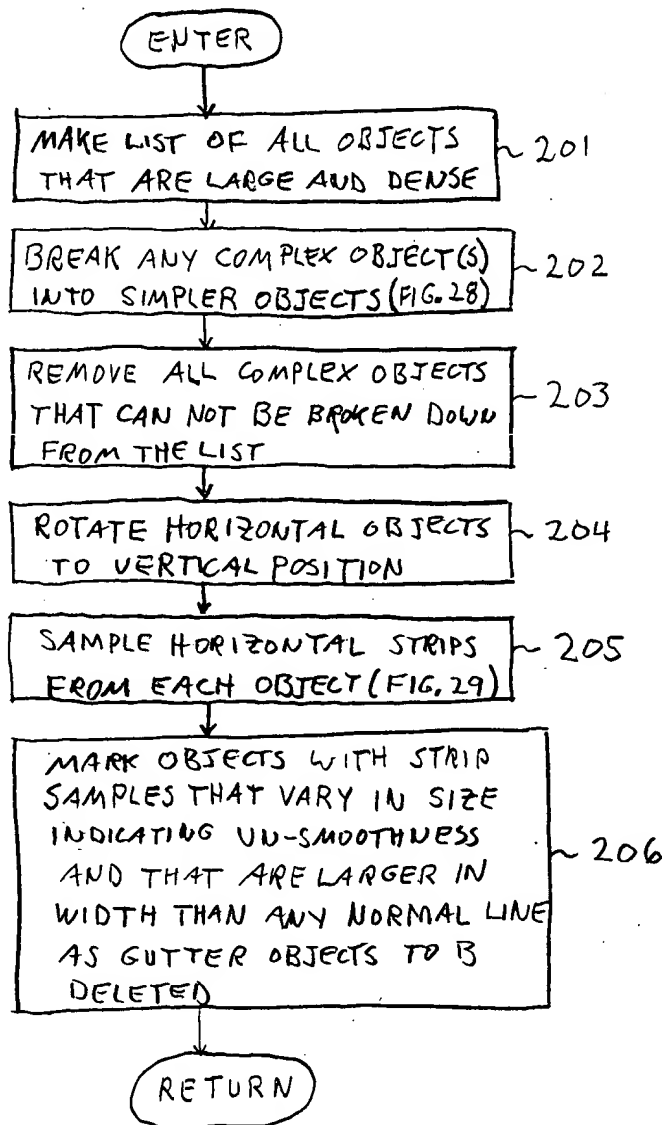


FIG. 27



FIND AND MARK GUTTER OBJECTS

FIG. 28

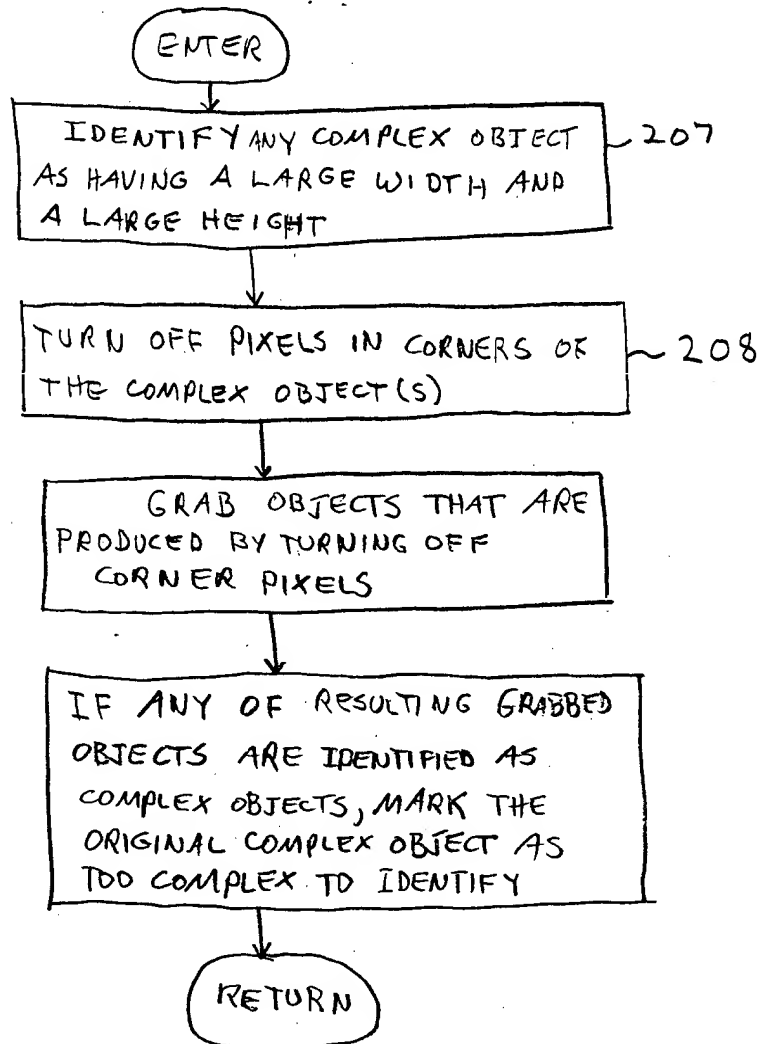
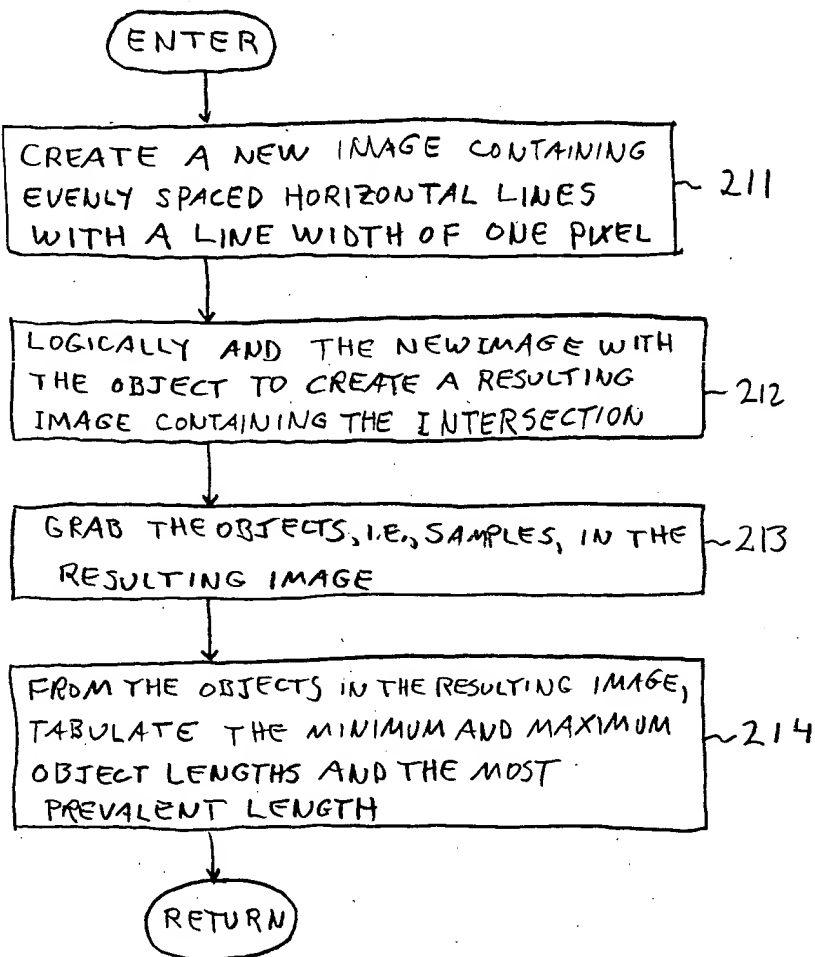


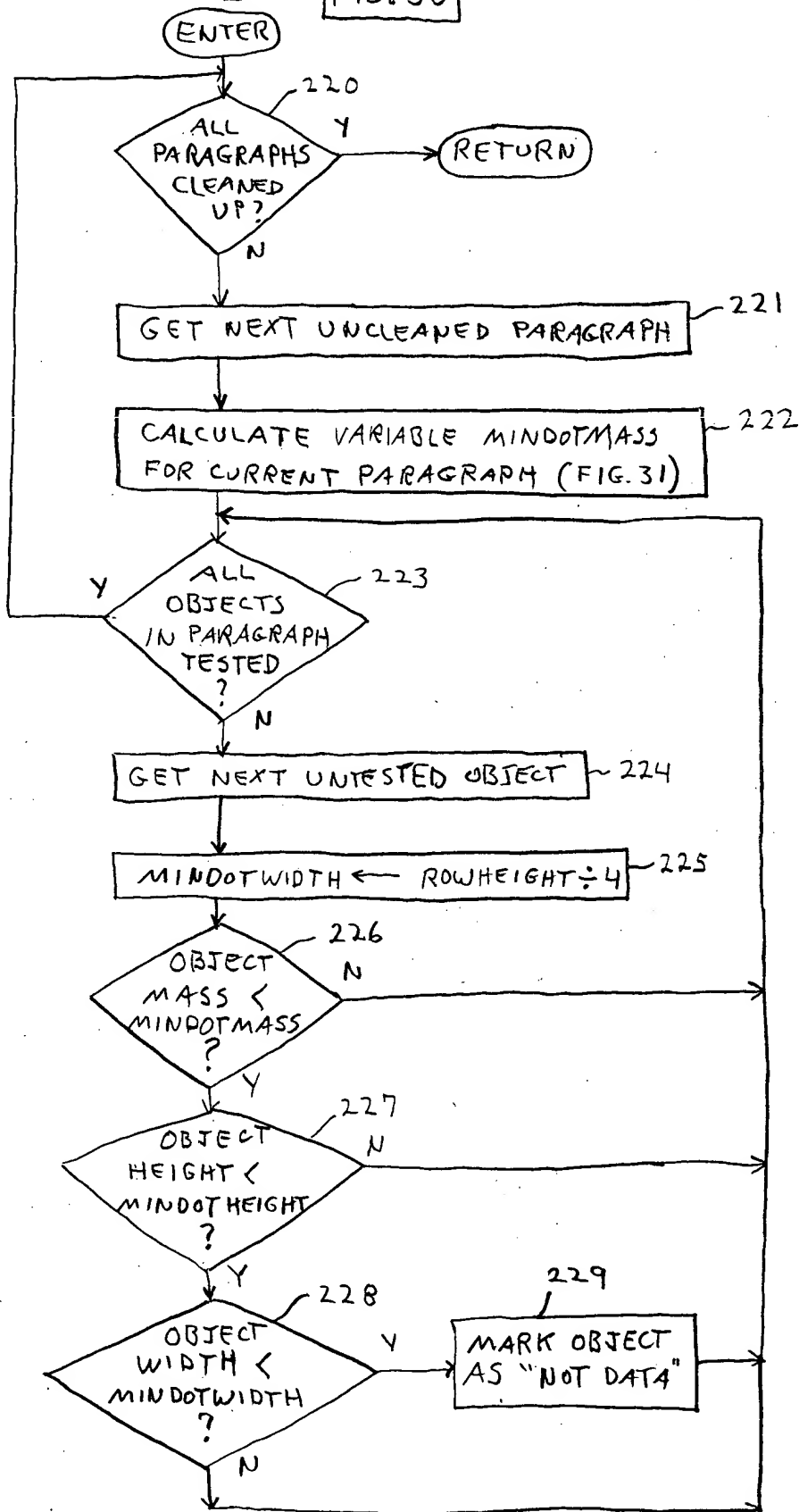
FIG. 29





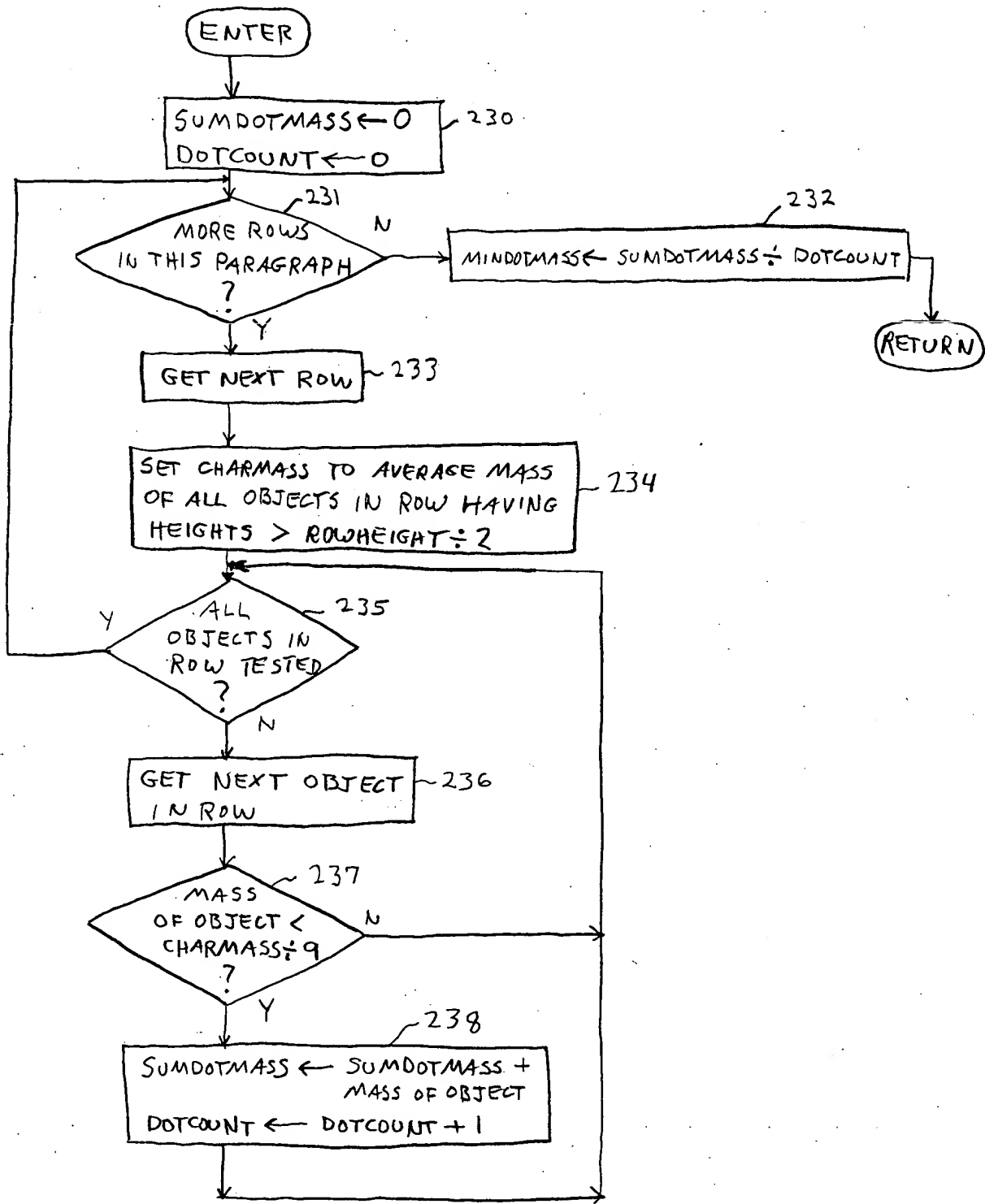
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FIG. 30



CLEAN ROWS

FIG. 31



CALCULATE MINDOTMASS